



FCC 47 CFR PART 15 SUBPART C

TEST REPORT

For

ProCurve Wireless Access Point 530

Model: RSVLC-0501

Trade Name: HP-ProCurve Networking

Issued to

Hewlett-Packard Company ProCurve Networking
8000 Foothills Blvd. Roseville,
CA 95747 U.S.A.

Issued by

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1. TEST RESULT CERTIFICATION

Applicant: Hewlett-Packard Company ProCurve Networking
8000 Foothills Blvd. Roseville,
CA 95747 U.S.A.

Equipment Under Test: ProCurve Wireless Access Point 530

Trade Name: HP-ProCurve Networking

Model: RSVLC-0501

Date of Test: November 14 ~ December 15, 2005

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 15 Subpart C	No non-compliance noted

We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4: 2003 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 15.207, 15.209, 15.247.

The test results of this report relate only to the tested sample EUT identified in this report.

Approved by:

Reviewed by:

Gavin Lim
Section Manager
Compliance Certification Services Inc.

Amanda Wu
Section Manager
Compliance Certification Services Inc.



2. EUT DESCRIPTION

Product	ProCurve Wireless Access Point 530			
Trade Name	HP-ProCurve Networking			
Model Number	RSVLC-0501			
Model Discrepancy	N/A			
Power Supply	Power Adapter: LISTED / PSA18U-480C I/P: 100V-240V, 0.5A, 50-60Hz O/P: 48V, 0.38A			
Frequency Range	IEEE 802.11a: 5.745~5.825 GHz IEEE 802.11b/g: 2.412~2.462 GHz			
Transmit Power	Test mode	b mode (dBm)	g mode (dBm)	a mode (dBm)
	Mode 1: Antenna 2+ Module 1	25.05	23.16	---
	Mode 2: Antenna 2+ Module 2	24.50	22.25	---
	Mode 3: Antenna 3+ Module 1	23.61	20.12	---
	Mode 4: Antenna 3+ Module 2	22.88	19.35	---
	Mode 5: Antenna 4+ Module 1	25.20	24.65	---
	Mode 6: Antenna 4+ Module 2	25.31	22.86	20.67
	Mode 7: Antenna 5+ Module 1	25.13	22.58	---
	Mode 8: Antenna 5+ Module 2	24.94	22.12	20.42
	Mode 9: Antenna 6+ Module 2	---	---	20.48
	Mode 10: Antenna 7+ Module 2	---	---	20.49
	Mode 11: Antenna 9+ Module 1	21.17	21.50	---
	Mode 12: Antenna 11+ Module 2	---	---	20.87
Modulation Technique	IEEE 802.11a: OFDM (QPSK, BPSK, 16-QAM, 64-QAM) IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: DSSS (CCK, DQPSK, DBPSK) + OFDM (QPSK, BPSK, 16-QAM, 64-QAM)			
Transmit Data Rate	IEEE 802.11a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps IEEE 802.11b: 11, 5.5, 2, 1 Mbps IEEE 802.11g: 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1Mbps			
Number of Channels	IEEE 802.11a: 5 Channels IEEE 802.11b/g: 11 Channels			
Antenna Specification	Antenna 1: Omni Antenna / J8441A / 2.4 ~ 2.5GHz / 4.4dBi Antenna 2: Omni Antenna / J8444A / 2.4 ~ 2.5GHz / 7.4dBi Antenna 3: Yagi Antenna / J8448A / 2.4 ~ 2.5GHz / 13.8dBi Antenna 4: Diversity Antenna / J8997A / 2.4 ~ 2.5GHz / 3.0dBi 4.9 ~ 5.99GHz / 4.0dBi Antenna 5: Directional Antenna / J8999A / 2.4 ~ 2.5GHz / 6.9dBi 4.9 ~ 5.99GHz / 7.7dBi Antenna 6: Omni Antenna / J8998A / 5.15~ 5.875GHz / 6.3dBi Antenna 7: Directional Antenna / J9000A / 5.15~ 5.875GHz / 13.3dBi Antenna 8: PIFA Antenna / 2.4 ~ 2.5GHz / 5.92dBi Antenna 9: PIFA Antenna / 2.4 ~ 2.5GHz / 5.92dBi Antenna 10: PIFA Antenna / 5.15 ~ 5.875GHz / 5.95dBi Antenna 11: PIFA Antenna / 5.15 ~ 5.875GHz / 5.95dBi			
Cable Loss		IEEE 802.11b/g	IEEE 802.11a	
	For Antenna 3 N-Male to N-Male	0.75 dB	---	
	For Antenna 3 N-Male to Rev-SMA(M)	0.68 dB	---	
	For Module 1 (b/g)	0.42 dB	---	
	For Module 2 (a/b/g)	0.75 dB	1.26 dB	
Lightning Arrester	Insertion Loss 0.4 dB			

Remark:

1. The sample selected for test was engineering sample that approximated to production product and was provided by manufacturer.
2. This submittal(s) (test report) is intended for FCC ID: B94RSVLC-0501 filing to comply with Section 15.207, 15.209 and 15.247 of the FCC Part 15, Subpart C Rules.



3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4 and FCC CFR 47 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057, 15.207, 15.209 and 15.247.

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2 EUT EXERCISE

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

3.3 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4.



3.4 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41			

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

² Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.



3.5 DESCRIPTION OF TEST MODES

The EUT (model: RSVLC-0501) comes with two modules: module 1 & module 2.

“Module 1” refers to IEEE 802.11 b/g transmitter.

“Module 2” refers to IEEE 802.11 a/b/g transmitter.

The EUT was set with following configurations for test.

Mode 1: Antenna 2+ Module 1

Mode 2: Antenna 2+ Module 2

Mode 3: Antenna 3+ Module 1

Mode 4: Antenna 3+ Module 2

Mode 5: Antenna 4+ Module 1

Mode 6: Antenna 4+ Module 2

Mode 7: Antenna 5+ Module 1

Mode 8: Antenna 5+ Module 2

Mode 9: Antenna 6+ Module 2

Mode 10: Antenna 7+ Module 2

Mode 11: Antenna 9+ Module 1

Mode 12: Antenna 11+ Module 2

Software used to control the EUT for staying in continuous transmitting mode was programmed.

After verification, all tests were carried out with the worst case test modes as shown below except radiated spurious emission below 1GHz, which worst case was in normal link mode only.

IEEE802.11a:

Channel Low(5745MHz), Channel Mid(5785MHz) and Channel High(5825MHz) with 6Mbps data rate were chosen for full testing.

IEEE802.11b:

Channel Low(2412MHz), Channel Mid(2437MHz) and Channel High(2462MHz) with 11Mbps data rate were chosen for full testing.

IEEE802.11g:

Channel Low(2412MHz), Channel Mid(2437MHz) and Channel High (2462MHz) with 6Mbps data rate were chosen for full testing.



4. INSTRUMENT CALIBRATION

4.1 MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

4.2 MEASUREMENT EQUIPMENT USED

Equipment Used for Emissions Measurement

Remark: Each piece of equipment is scheduled for calibration once a year.

Conducted Emissions Test Site				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY43360131	01/10/2006
Spectrum Analyzer	R&S	FSP30	100112	08/03/2006

3M Semi Anechoic Chamber				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	US42510252	07/25/2006
Test Receiver	Rohde&Schwarz	ESCI	100064	06/28/2006
Switch Controller	TRC	Switch Controller	SC94050010	05/05/2006
4 Port Switch	TRC	4 Port Switch	SC94050020	05/05/2006
Horn-Antenna	TRC	HA-0502	06	06/02/2006
Horn-Antenna	TRC	HA-0801	04	05/05/2006
Bilog- Antenna	Sunol Sciences	JB3	A030205	03/09/2006
Turn Table	Max-Full	MFT-120S	T120S940302	N.C.R.
Antenna Tower	Max-Full	MFA-430	A440940302	N.C.R.
Controller	Max-Full	MF-CM886	CC-C-1F-13	N.C.R.
Site NSA	CCS	N/A	FCC: 965860 IC: IC 6106	09/26/2008
Test S/W	LABVIEW (V 6.1)			

Remark: The measurement uncertainty is less than +/-2.0065dB (30MHz ~ 1GHz), +/-3.0958dB (Above 1GHz) which is evaluated as per the NAMAS NIS 81 and CISPR/A/291/CDV.

Powerline Conducted Emissions Test Site				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI TEST RECEIVER 9kHz-30MHz	ROHDE & SCHWARZ	ESHS30	828144/003	09/24/2006
TWO-LINE V-NETWORK 9kHz-30MHz	SCHAFFNER	NNB41	03/10013	06/11/2006
LISN 10kHz-100MHz	EMCO	3825/2	9106-1809	02/17/2006
Test S/W	LABVIEW (V 6.1)			

Remark: The measurement uncertainty is less than +/- 2.81dB, which is evaluated as per the NAMAS NIS 81 and CISPR/A/291/CDV.



5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

No.199, Chunghsen Road, Hsintien City, Taipei Hsien, Taiwan, R.O.C.

Tel: 886-2-2217-0894 / Fax: 886-2-2217-1029

No.11, Wugong 6th Rd., Wugu Industrial Park, Taipei Hsien 248, Taiwan

Tel: 886-2-2299-9720 / Fax: 886-2-2298-4045

No.81-1, Lane 210, Bade 2nd Rd., Luchu Hsiang, Taoyuan Hsien 338, Taiwan

Tel: 886-3-324-0332 / Fax: 886-3-324-5235

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.




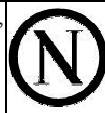



Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.3 LABORATORY ACCREDITATIONS AND LISTING

The test facilities used to perform radiated and conducted emissions tests are accredited by National Voluntary Laboratory Accreditation Program for the specific scope of accreditation under Lab Code: 200600-0 to perform Electromagnetic Interference tests according to FCC PART 15 AND CISPR 22 requirements. No part of this report may be used to claim or imply product endorsement by NVLAP or any agency of the US Government. In addition, the test facilities are listed with Federal Communications Commission (Registration no: 93105 and 90471).

5.4 TABLE OF ACCREDITATIONS AND LISTINGS

Country	Agency	Scope of Accreditation	Logo
USA	NVLAP*	EN 55011, EN 55014-1, AS/NZS 1044, CNS 13783-1, EN 55022, CNS 13438, EN 61000-3-2, EN 61000-3-3, ANSI C63.4, FCC OST/MP-5, AS/NZS CISPR 22, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11	 200600-0
USA	FCC	3/10 meter Open Area Test Sites (93105, 90471) / 3M Semi Anechoic Chamber (965860) to perform FCC Part 15/18 measurements	 93105, 90471 965860
Japan	VCCI	3/10 meter Open Area Test Sites to perform conducted/radiated measurements	 R-393/1066/725/879 C-402/747/912
Norway	NEMKO	EN 50081-1/2, EN 50082-1/2, IEC 61000-6-1/2, EN 50091-2, EN 50130-4, EN 55011, EN 55013, EN 55014-1/2, EN 55015, EN 55022, EN 55024, EN 61000-3-2/3, EN 61326-1, IEC 61000-4-2/3/4/5/6/8/11, EN 60601-1-2, EN 300 328-2, EN 300 422-2, EN 301 419-1, EN 301 489-01/03/07/08/09/17, EN 301 419-2/3, EN 300 454-2, EN 301 357-2	 ELA 124a ELA 124b ELA 124c
Taiwan	CNLA	EN 300 328-1/2, EN 300 220-1/2/3, EN 300 440-1/2, EN 61000-3-2, EN 61000-3-3, 47 CFR FCC Part 15 Subpart C/D/E, EN 55013, CNS 13439, EN 55014-1, CNS 13783-1, EN 55022, CNS 13438, CISPR 22, AS/NZS 3548, EN 61000-4-2/3/4/5/6/8/11, ENV 50204, IEEE Std 1528, FCC OET Bulletin, 65+Supplement C, EN50360, EN50361, EN50371, RSS102	 0363 ILAC MRA
Taiwan	BSMI	CNS 13438, CNS 13783-1, CNS 13439, CNS 14115	 SL2-IS-E-0014 SL2-IN-E-0014 SL2-A1-E-0014 SL2-R1-E-0014 SL2-R2-E-0014 SL2-L1-E-0014
Canada	Industry Canada	3/10 meter Open Area Test Sites (IC 3991-3, IC 3991-4) / 3M Semi Anechoic Chamber (IC 6106) to perform RSS 212 Issue 1	 IC 3991-3 IC 3991-4 IC 6106

* No part of this report may be used to claim or imply product endorsement by NVLAP or any agency of the US Government.

* Australia: MRA of NVLAP AS/NZS 4771 &AS/NZS 4268.



6. SETUP OF EQUIPMENT UNDER TEST

6.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

6.2 SUPPORT EQUIPMENT

No.	Device Type	Brand	Model	Series No.	FCC ID	Data Cable	Power Cord
1.	Notebook PC	IBM	2672(X31)	99PBTKB	FCC DoC	N/A	AC I/P: Unshielded, 1.8m DC O/P: Unshielded, 1.8m with a core
2.	Notebook PC (Remote)	DELL	PP10L	50XP51J	FCC DoC	N/A	AC I/P: Unshielded, 1.8m DC O/P: Unshielded, 1.8m with a core

Remark:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



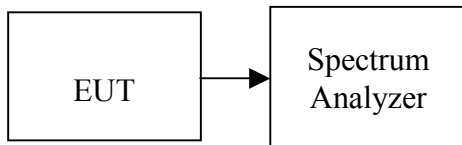
7. FCC PART 15.247 REQUIREMENTS

7.1 6DB BANDWIDTH

LIMIT

According to §15.247(a)(2), systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6dB bandwidth shall be at least 500 kHz.

Test Configuration



TEST PROCEDURE

1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW = 100kHz, VBW = RBW, Span = 50MHz, Sweep = auto.
4. Mark the peak frequency and -6dB (upper and lower) frequency.
5. Repeat until all the rest channels are investigated.



TEST RESULTS

No non-compliance noted

Test Data

Mode 1: Antenna 2+ Module 1

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	11500	>500	PASS
Mid	2437	12420		PASS
High	2462	12170		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	16420	>500	PASS
Mid	2437	16500		PASS
High	2462	16420		PASS

Mode 2: Antenna 2+ Module 2

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	11750	>500	PASS
Mid	2437	10920		PASS
High	2462	10420		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	16250	>500	PASS
Mid	2437	16420		PASS
High	2462	16420		PASS



Mode 3: Antenna 3+ Module 1

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	11670	>500	PASS
Mid	2437	11830		PASS
High	2462	12670		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	16420	>500	PASS
Mid	2437	16500		PASS
High	2462	16080		PASS

Mode 4: Antenna 3+ Module 2

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	10500	>500	PASS
Mid	2437	11170		PASS
High	2462	11580		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	16330	>500	PASS
Mid	2437	16500		PASS
High	2462	16500		PASS

**Mode 5: Antenna 4+ Module 1****Test mode: IEEE 802.11b mode**

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	11420	>500	PASS
Mid	2437	11920		PASS
High	2462	11580		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	16580	>500	PASS
Mid	2437	16500		PASS
High	2462	15670		PASS

Mode 6: Antenna 4+ Module 2**Test mode: IEEE 802.11b mode**

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	11830	>500	PASS
Mid	2437	10750		PASS
High	2462	10750		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	15750	>500	PASS
Mid	2437	16500		PASS
High	2462	16250		PASS

Test mode: IEEE 802.11a mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	5745	16580	>500	PASS
Mid	5785	16420		PASS
High	5825	16580		PASS



Mode 7: Antenna 5+ Module 1

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	11670	>500	PASS
Mid	2437	11580		PASS
High	2462	10500		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	16170	>500	PASS
Mid	2437	16420		PASS
High	2462	16420		PASS

Mode 8: Antenna 5+ Module 2

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	11420	>500	PASS
Mid	2437	11580		PASS
High	2462	11500		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	16500	>500	PASS
Mid	2437	16580		PASS
High	2462	16500		PASS

Test mode: IEEE 802.11a mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	5745	16420	>500	PASS
Mid	5785	16500		PASS
High	5825	16420		PASS

**Mode 9: Antenna 6+ Module 2****Test mode: IEEE 802.11a mode**

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	5745	16500	>500	PASS
Mid	5785	16500		PASS
High	5825	16420		PASS

Mode 10: Antenna 7+ Module 2**Test mode: IEEE 802.11a mode**

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	5745	16500	>500	PASS
Mid	5785	16170		PASS
High	5825	16500		PASS

Mode 11: Antenna 9+ Module 1**Test mode: IEEE 802.11b mode**

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	11750	>500	PASS
Mid	2437	10080		PASS
High	2462	11000		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	16420	>500	PASS
Mid	2437	16500		PASS
High	2462	16580		PASS

Mode 12: Antenna 11+ Module 2**Test mode: IEEE 802.11a mode**

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	5745	16420	>500	PASS
Mid	5785	16500		PASS
High	5825	16420		PASS



Test Plot

Mode 1: Antenna 2+ Module 1

IEEE 802.11b

CH Low

Agilent 17:41:08 Dec 4, 2005

R L

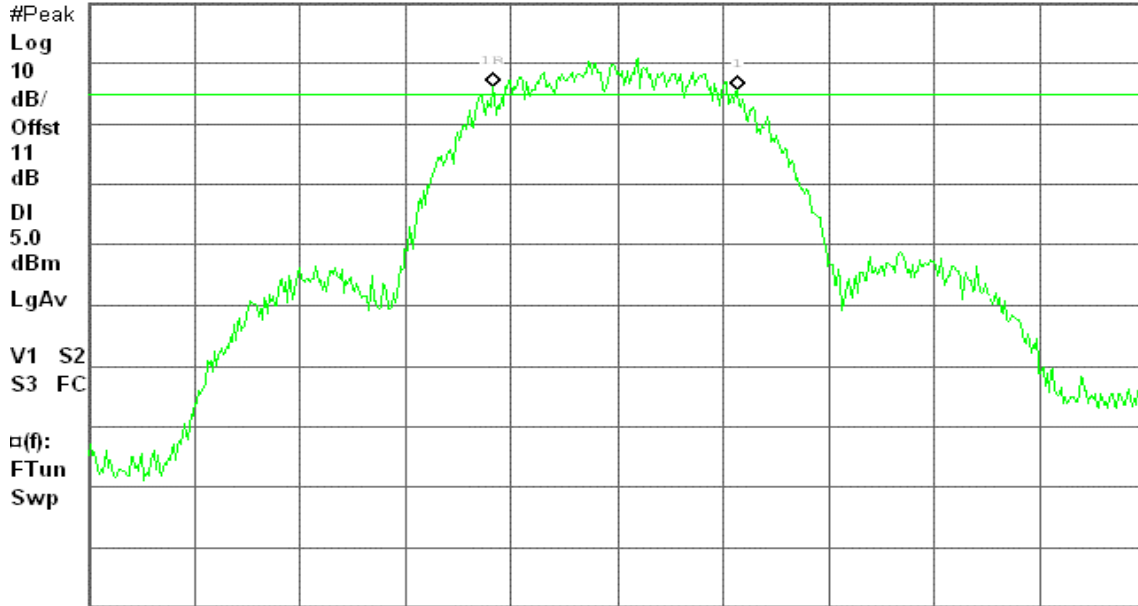
6dB BW, b Mode Low Ch.

Δ Mkr1 11.50 MHz

Ref 20 dBm

Atten 20 dB

-0.49 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH Mid

Agilent 17:50:05 Dec 4, 2005

R L

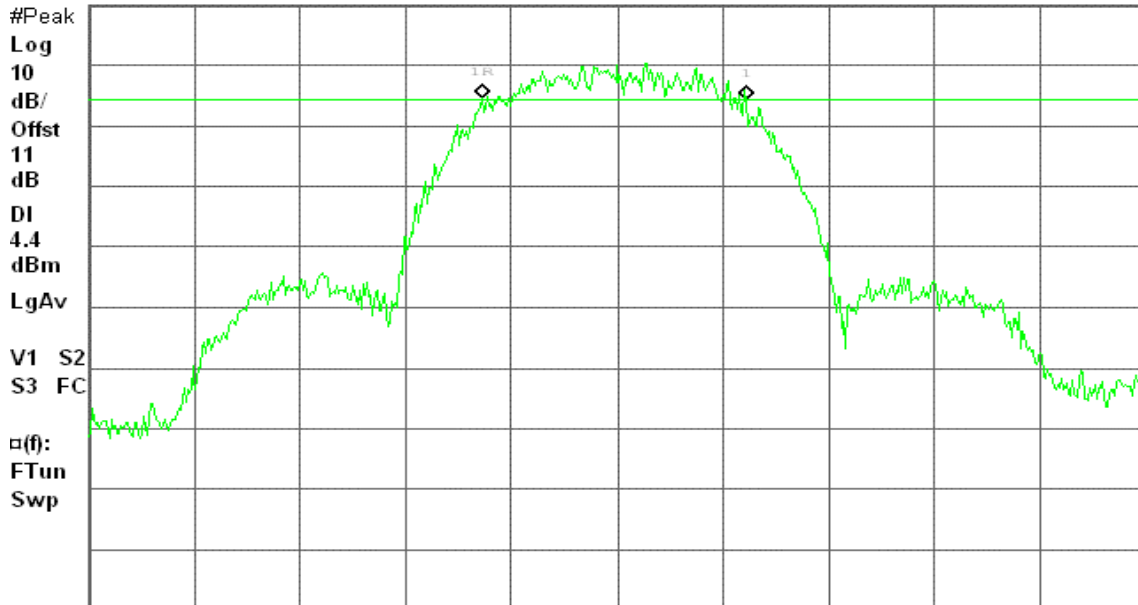
6dB BW, b Mode Mid Ch.

Δ Mkr1 12.42 MHz

Ref 20 dBm

Atten 20 dB

-0.22 dB



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH High

Agilent 18:02:55 Dec 4, 2005

R L

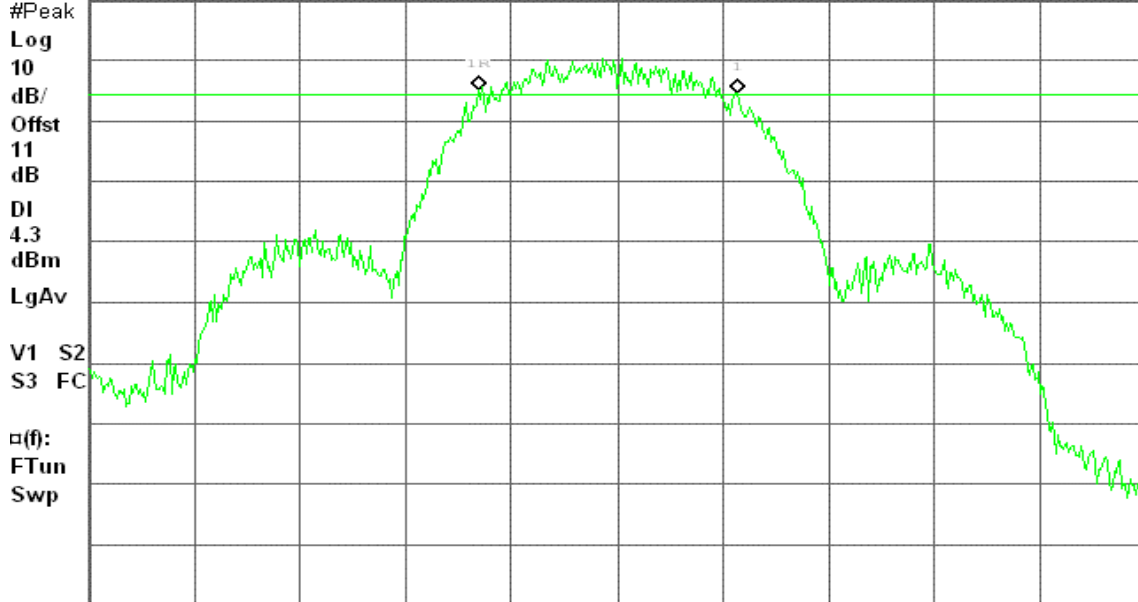
6dB BW, b Mode High Ch.

Δ Mkr1 12.17 MHz

Ref 20 dBm

Atten 20 dB

-0.35 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

IEEE 802.11g

CH Low

Agilent 20:06:52 Dec 4, 2005

R L

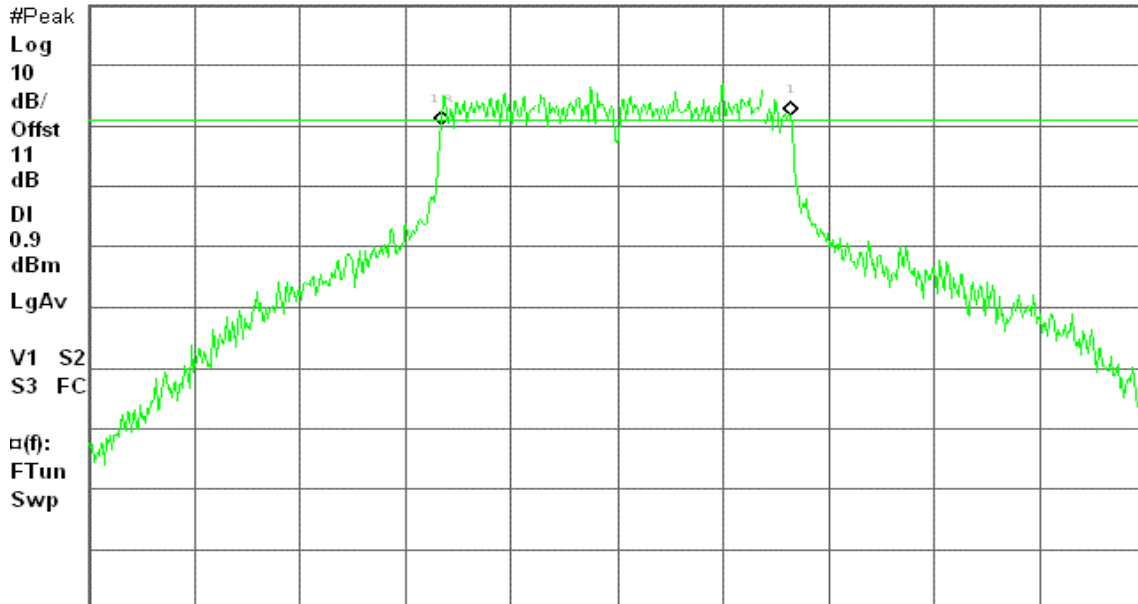
6dB BW, g Mode Low Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

1.58 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH Mid

Agilent 20:18:49 Dec 4, 2005

R L

6dB BW, g Mode Mid Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

-0.06 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

1.9

dBm

LgAv

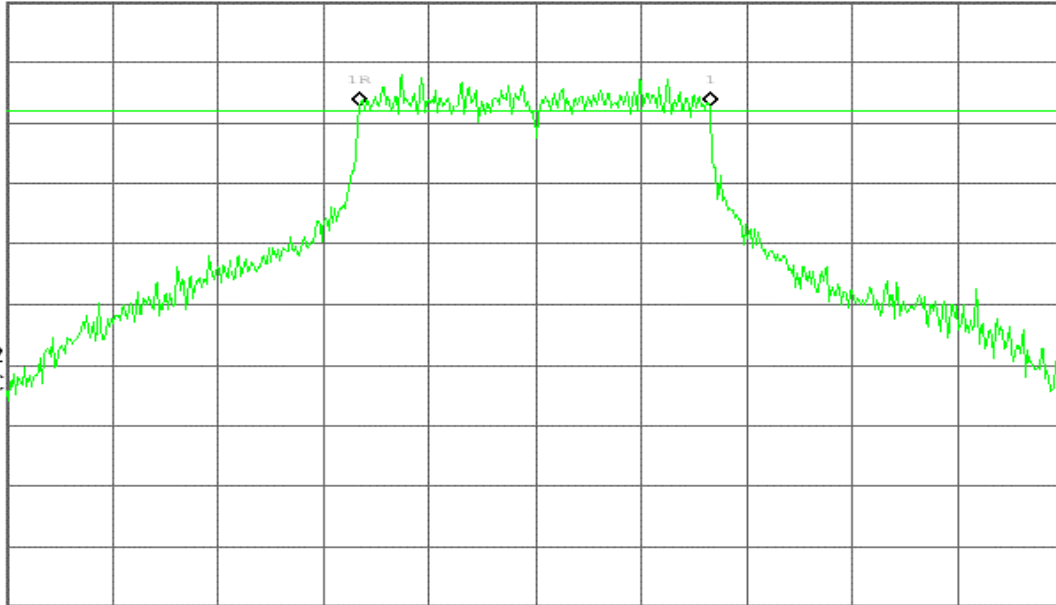
V1 S2

S3 FC

$\alpha(f)$:

FTun

Swp



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH High

Agilent 20:26:39 Dec 4, 2005

R L

6dB BW, g Mode High Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

-1.72 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

0.2

dBm

LgAv

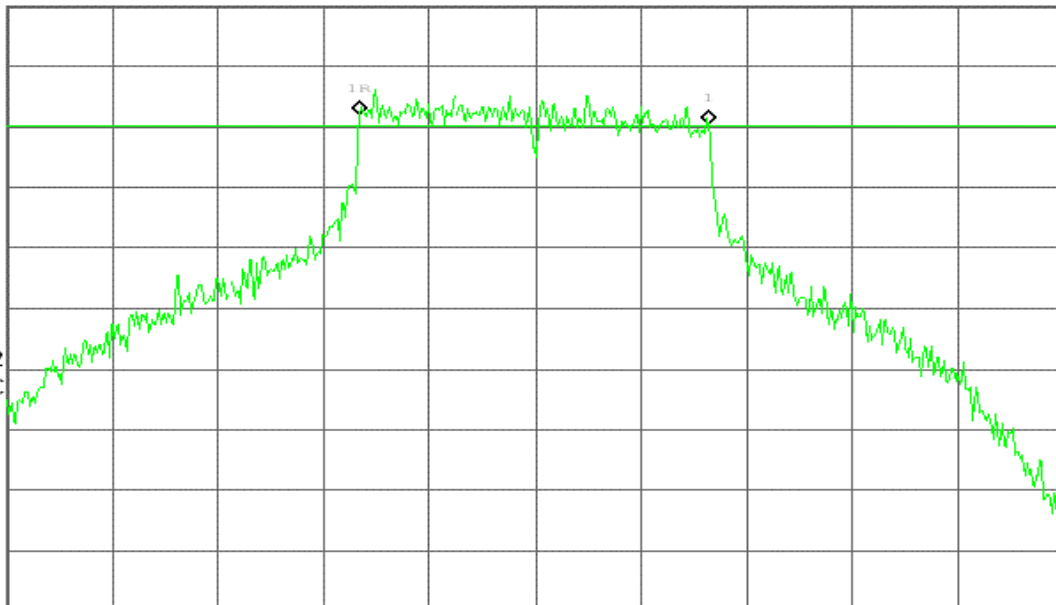
V1 S2

S3 FC

$\alpha(f)$:

FTun

Swp



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

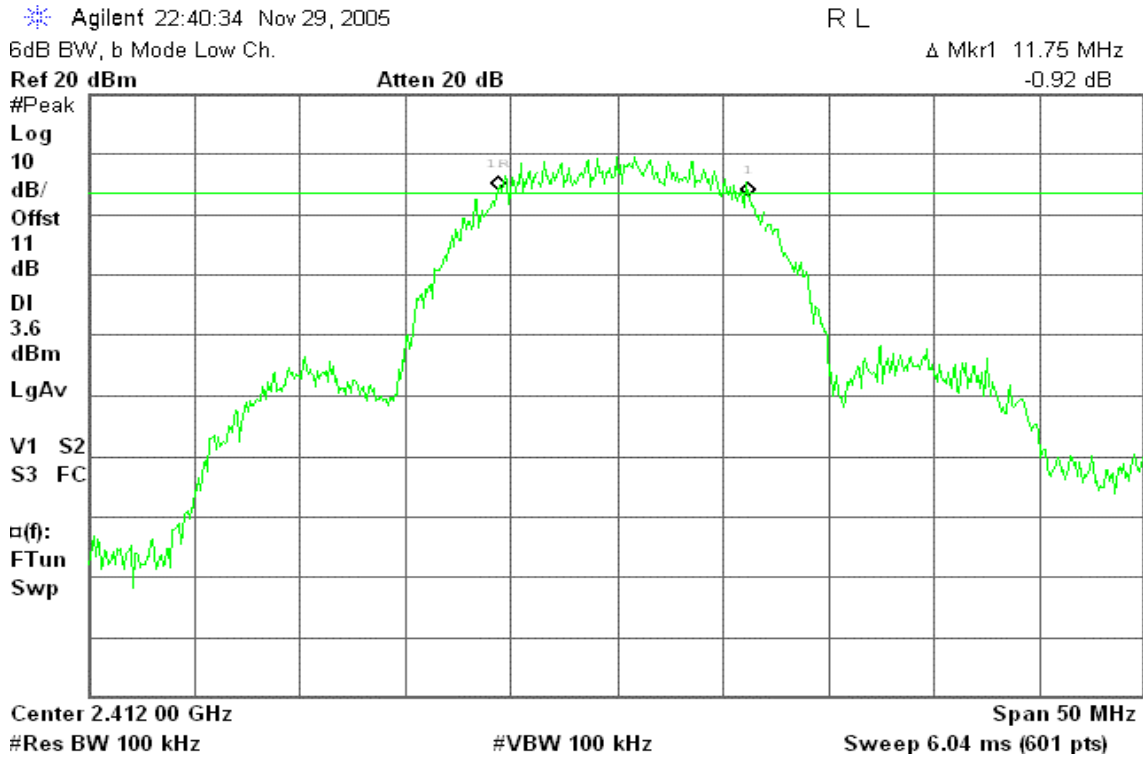
Sweep 6.04 ms (601 pts)



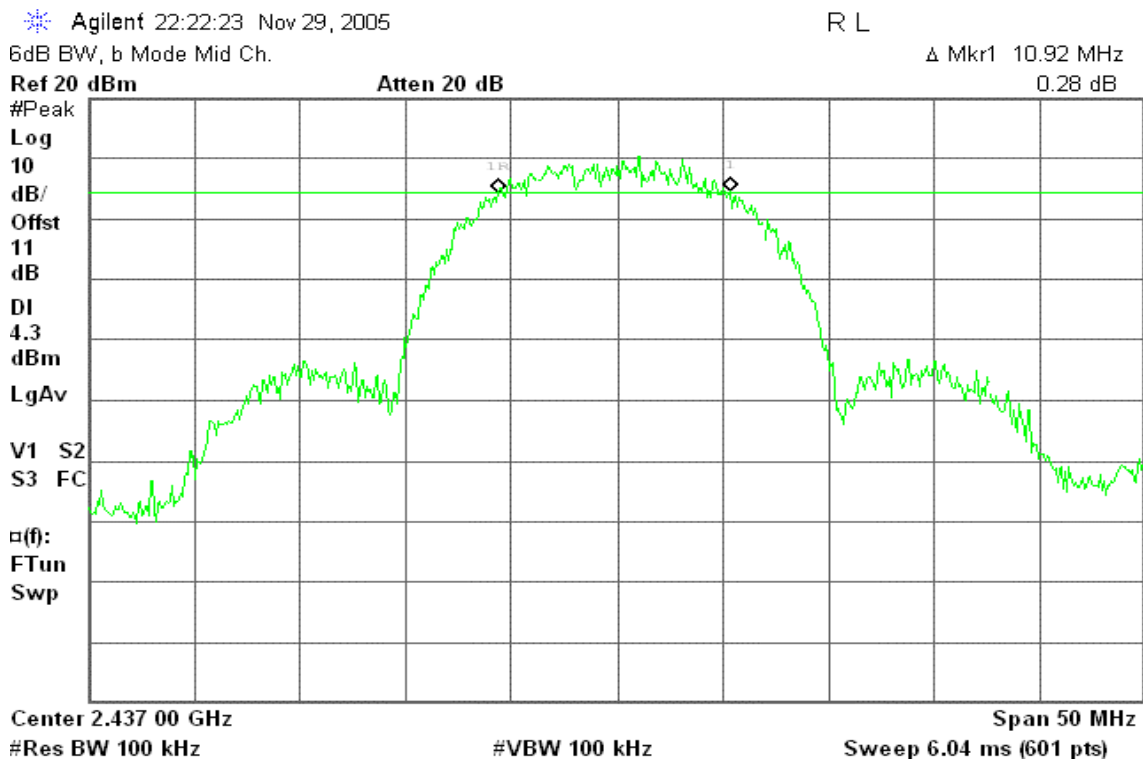
Mode 2: Antenna 2+ Module 2

IEEE 802.11b

CH Low



CH Mid





CH High

Agilent 22:30:39 Nov 29, 2005

R L

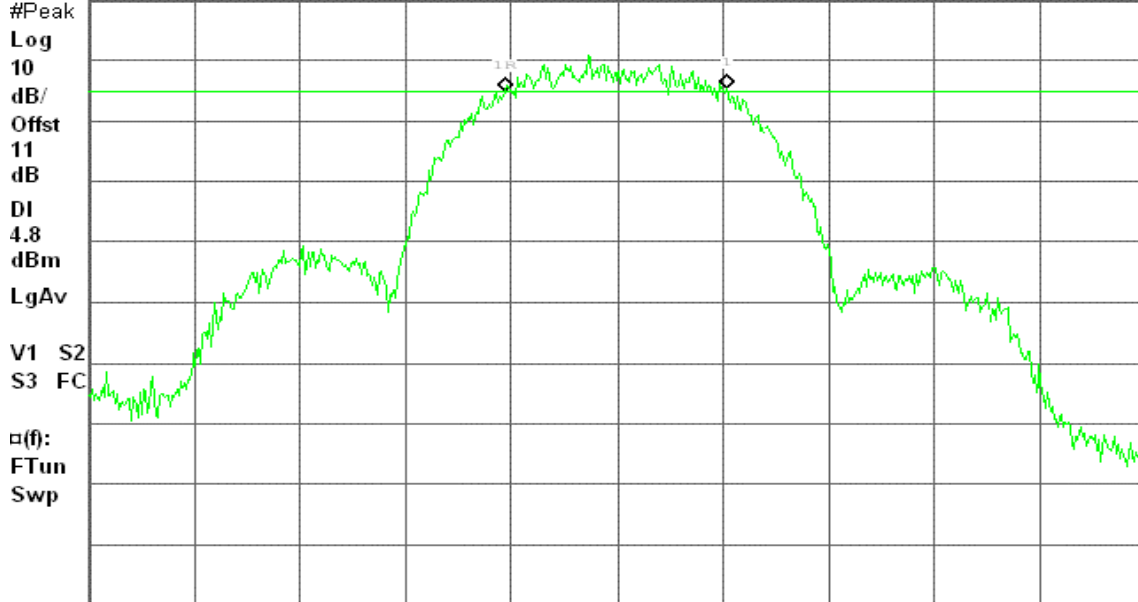
6dB BW, b Mode High Ch.

Δ Mkr1 10.42 MHz

Ref 20 dBm

Atten 20 dB

0.34 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

IEEE 802.11g

CH Low

Agilent 22:47:34 Nov 29, 2005

R L

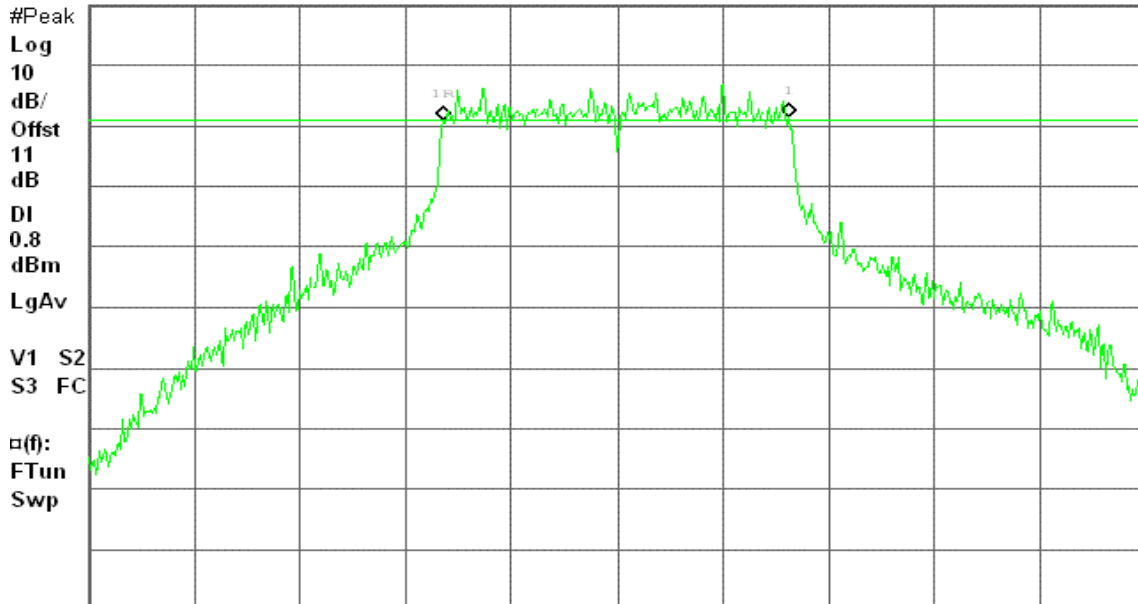
6dB BW, g Mode Low Ch.

Δ Mkr1 16.25 MHz

Ref 20 dBm

Atten 20 dB

0.47 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH Mid

Agilent 22:55:21 Nov 29, 2005

R L

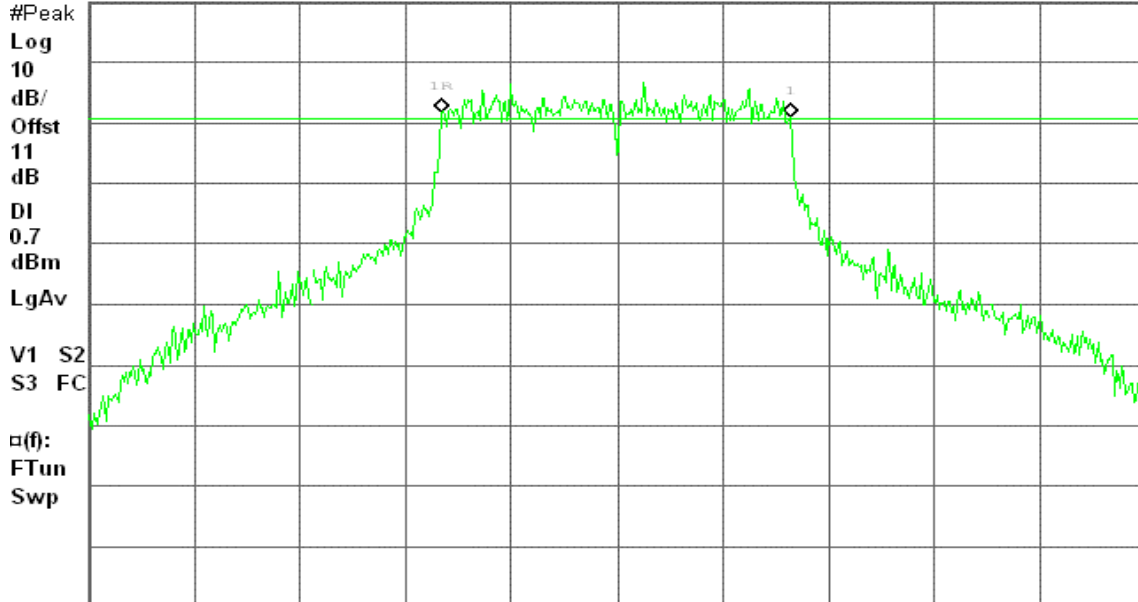
6dB BW, g Mode Mid Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

-0.58 dB



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH High

Agilent 13:34:03 Nov 30, 2005

R L

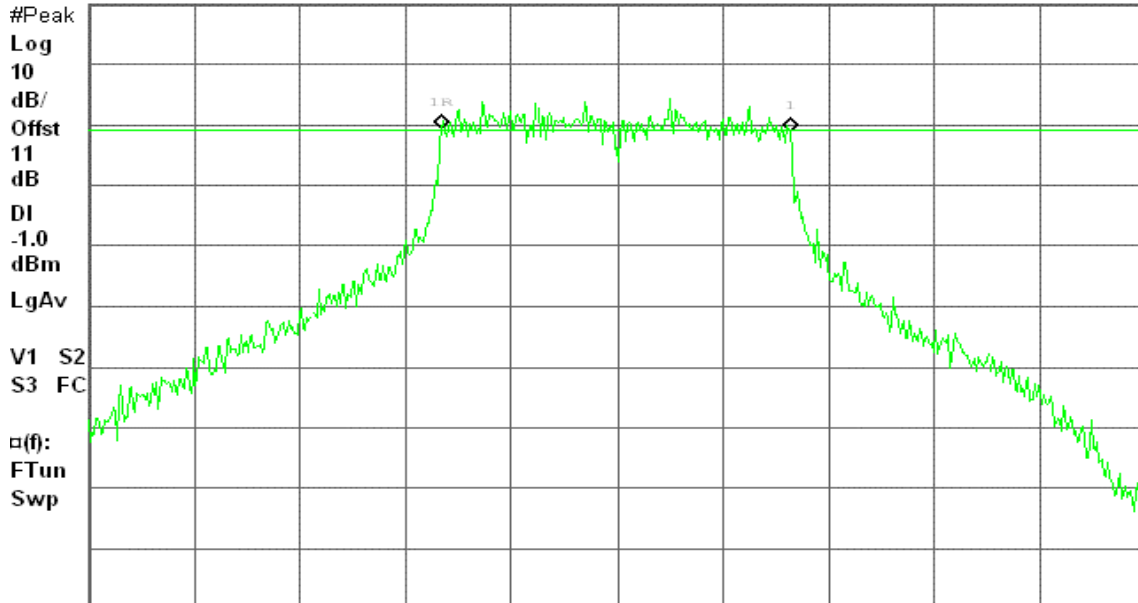
6dB BW, g Mode High Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

-0.35 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



IEEE 802.11b

CH Low

Agilent 18:21:39 Dec 4, 2005

R L

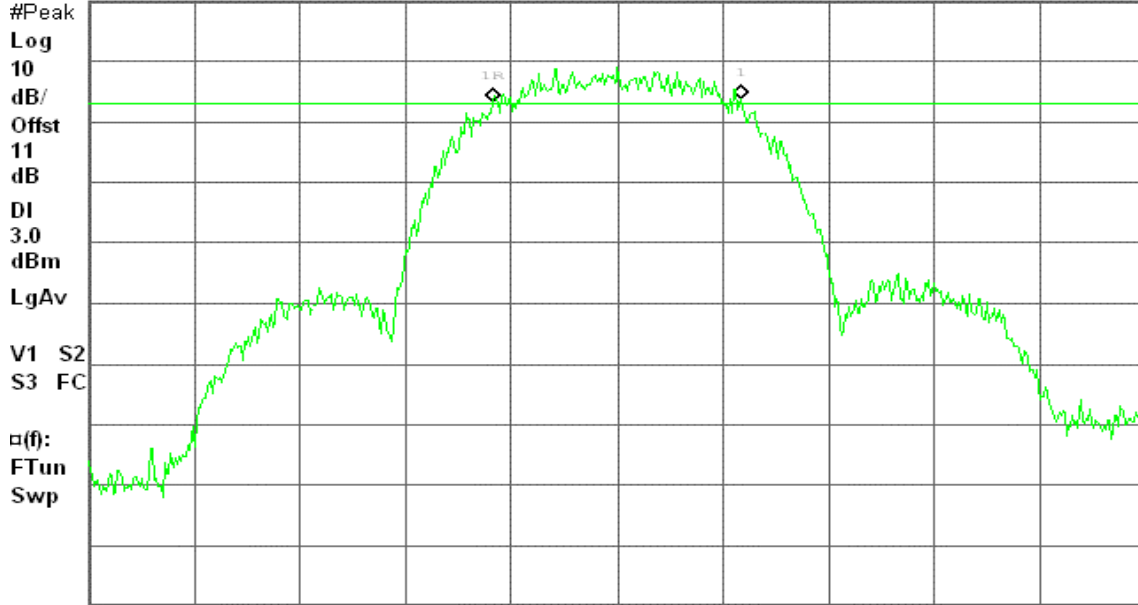
6dB BW, b Mode Low Ch.

Δ Mkr1 11.67 MHz

Ref 20 dBm

Atten 20 dB

0.37 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH Mid

Agilent 18:28:44 Dec 4, 2005

R L

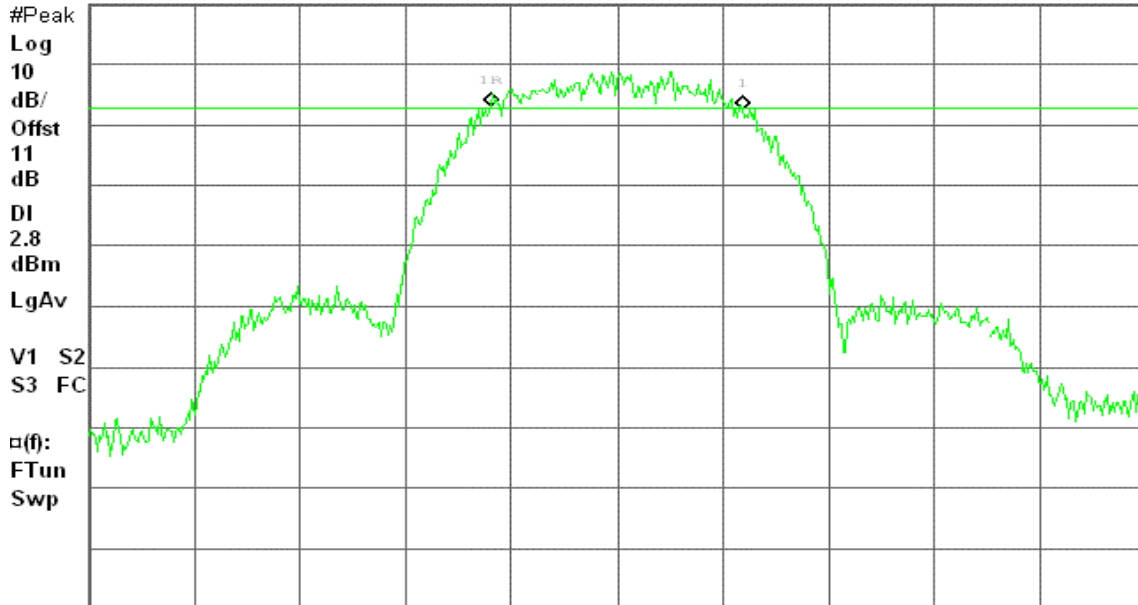
6dB BW, b Mode Mid Ch.

Δ Mkr1 11.83 MHz

Ref 20 dBm

Atten 20 dB

-0.41 dB



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH High

Agilent 18:36:08 Dec 4, 2005

R L

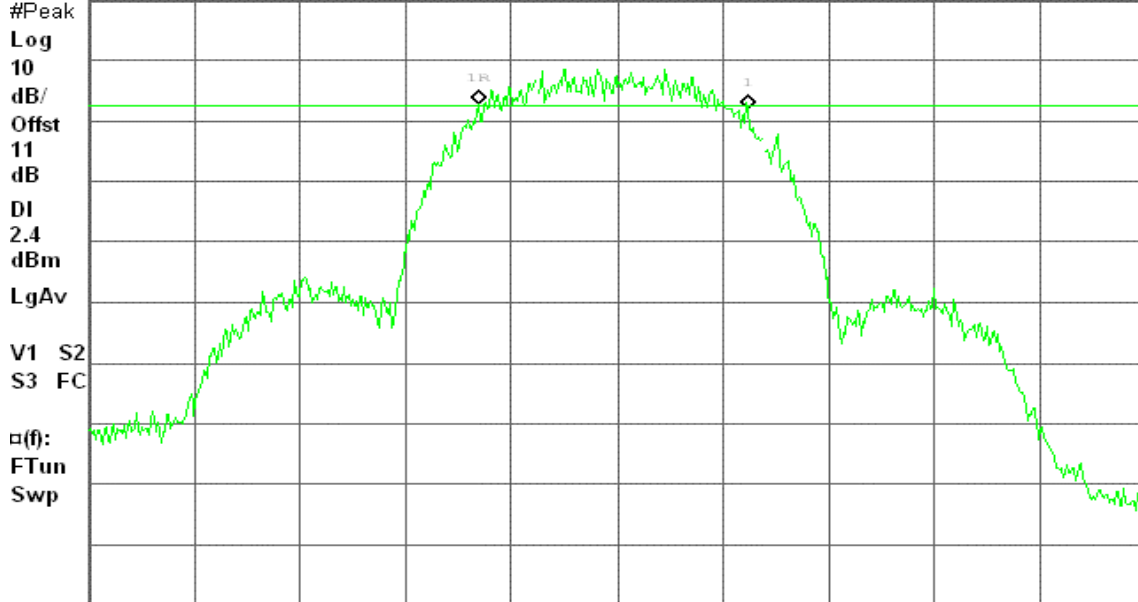
6dB BW, b Mode High Ch.

Δ Mkr1 12.67 MHz

Ref 20 dBm

Atten 20 dB

-0.83 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

IEEE 802.11g

CH Low

Agilent 20:40:04 Dec 4, 2005

R L

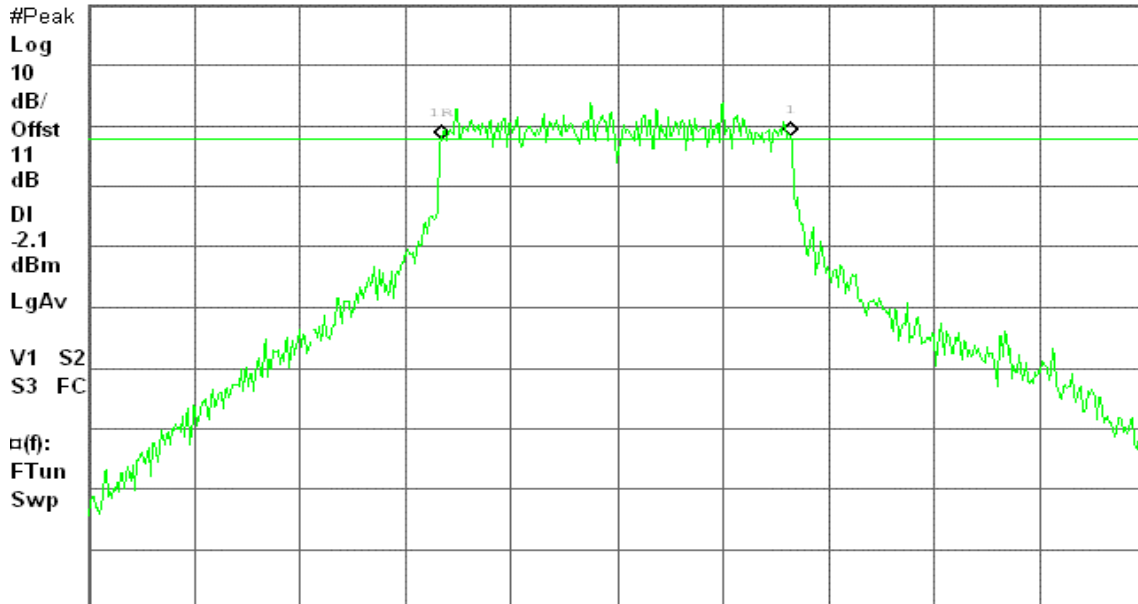
6dB BW, g Mode Low Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

0.48 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH Mid

Agilent 20:45:53 Dec 4, 2005

R L

6dB BW, g Mode Mid Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

1.37 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

-2.1

dBm

LgAv

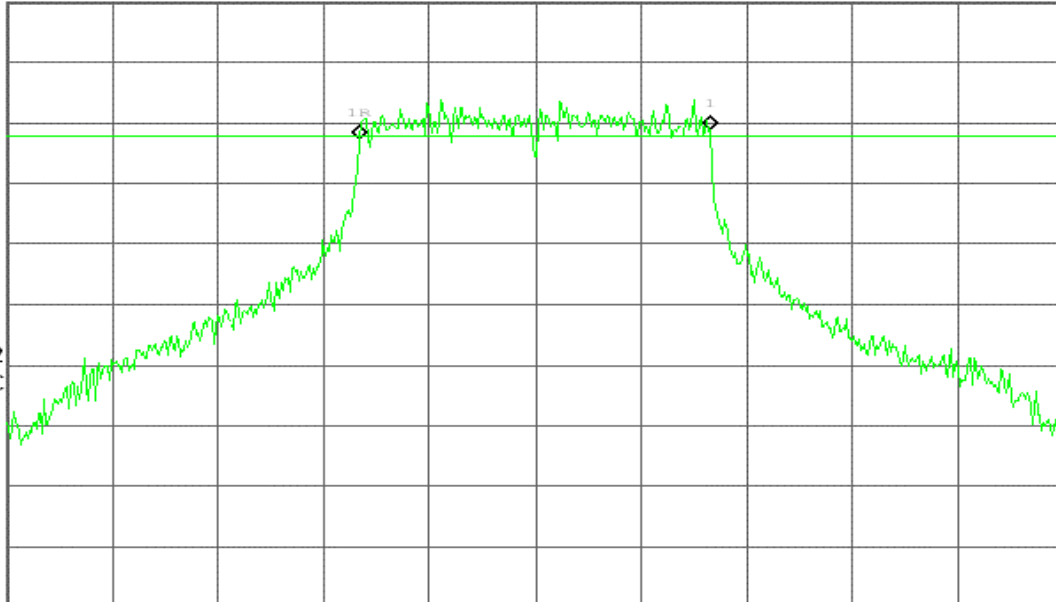
V1 S2

S3 FC

α(f):

FTun

Swp



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH High

Agilent 20:53:37 Dec 4, 2005

R L

6dB BW, g Mode High Ch.

Δ Mkr1 16.08 MHz

Ref 20 dBm

Atten 20 dB

-1.08 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

-4.7

dBm

LgAv

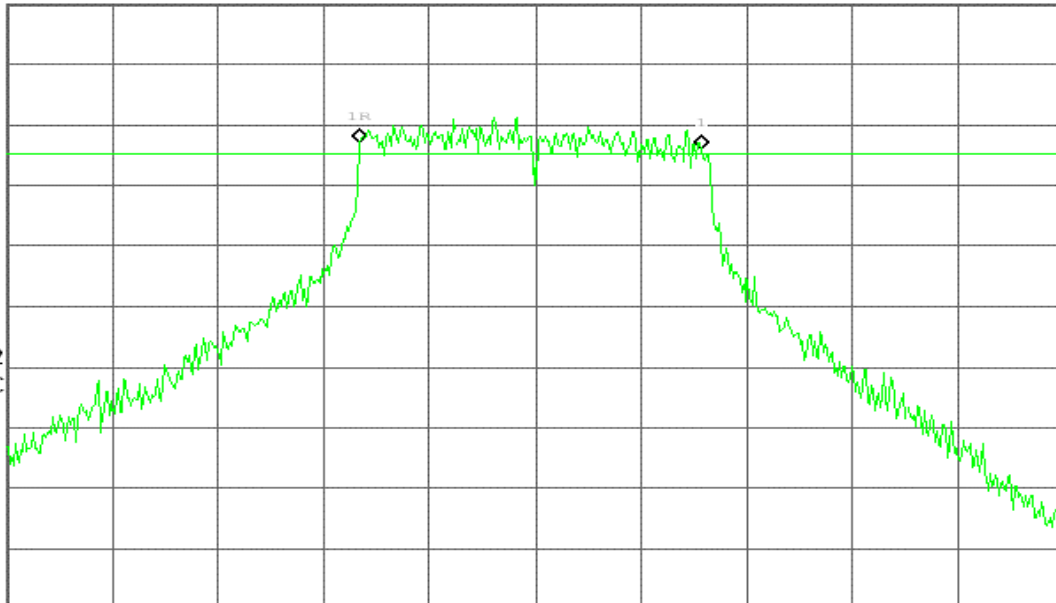
V1 S2

S3 FC

α(f):

FTun

Swp



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

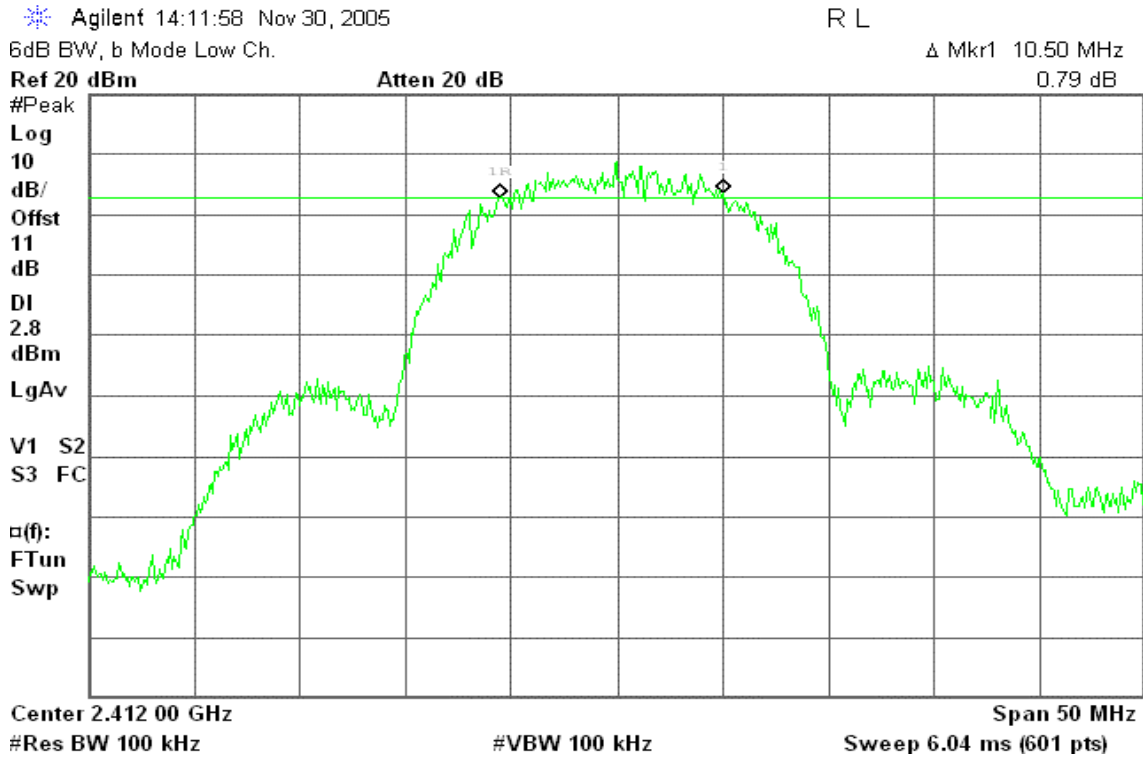
Sweep 6.04 ms (601 pts)



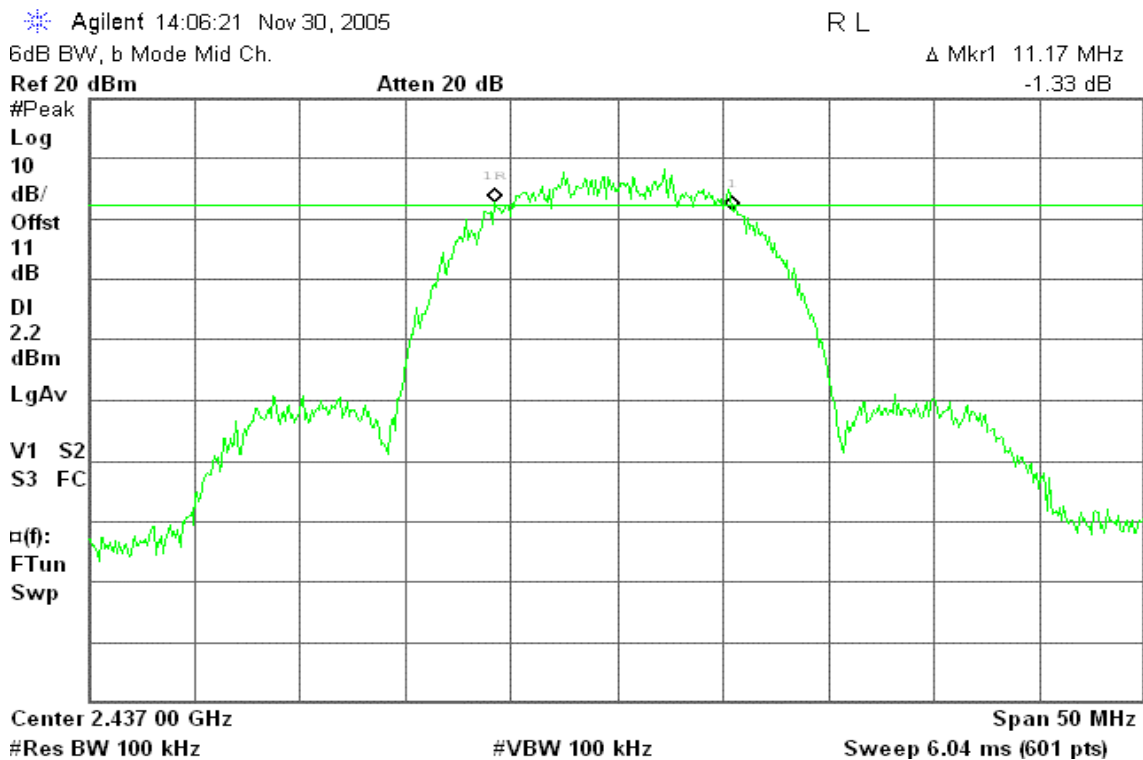
Mode 4: Antenna 3+ Module 2

IEEE 802.11b

CH Low



CH Mid





CH High

Agilent 13:48:47 Nov 30, 2005

R L

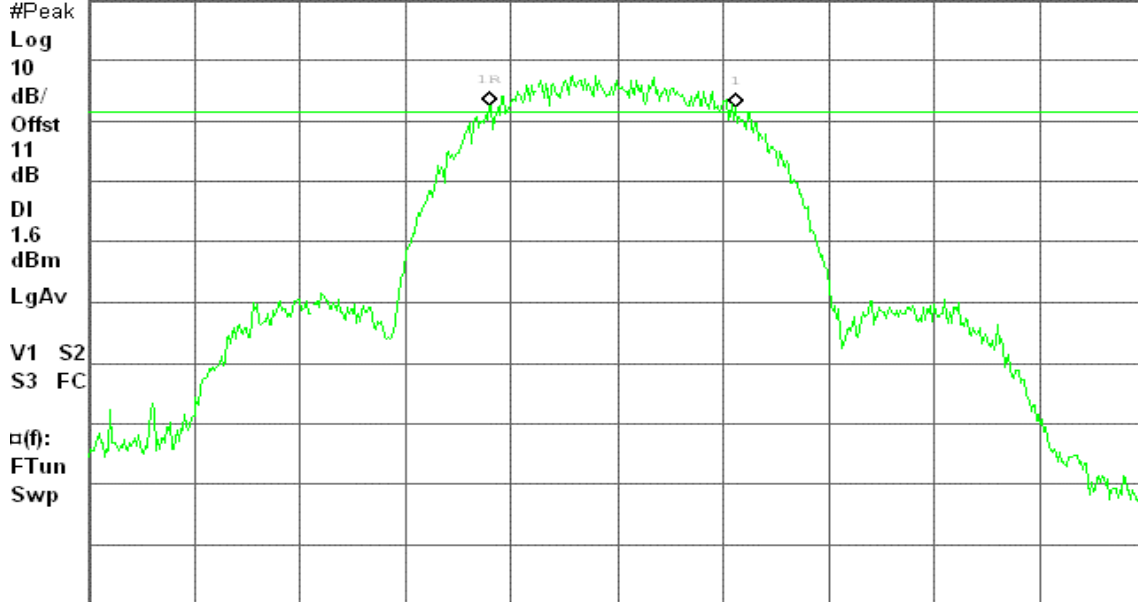
6dB BW, b Mode High Ch.

Δ Mkr1 11.58 MHz

Ref 20 dBm

Atten 20 dB

-0.23 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

IEEE 802.11g

CH Low

Agilent 16:46:44 Nov 30, 2005

R L

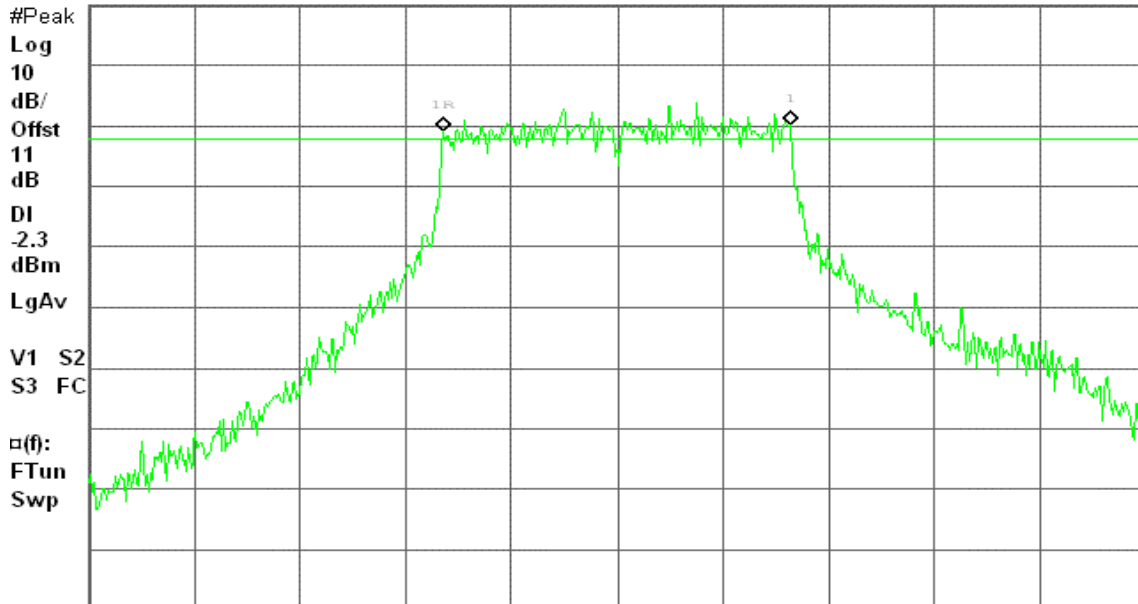
6dB BW, g Mode Low Ch.

Δ Mkr1 16.33 MHz

Ref 20 dBm

Atten 20 dB

1.05 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH Mid

Agilent 16:52:14 Nov 30, 2005

R L

6dB BW, g Mode Mid Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

0.65 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

-2.1

dBm

LgAv

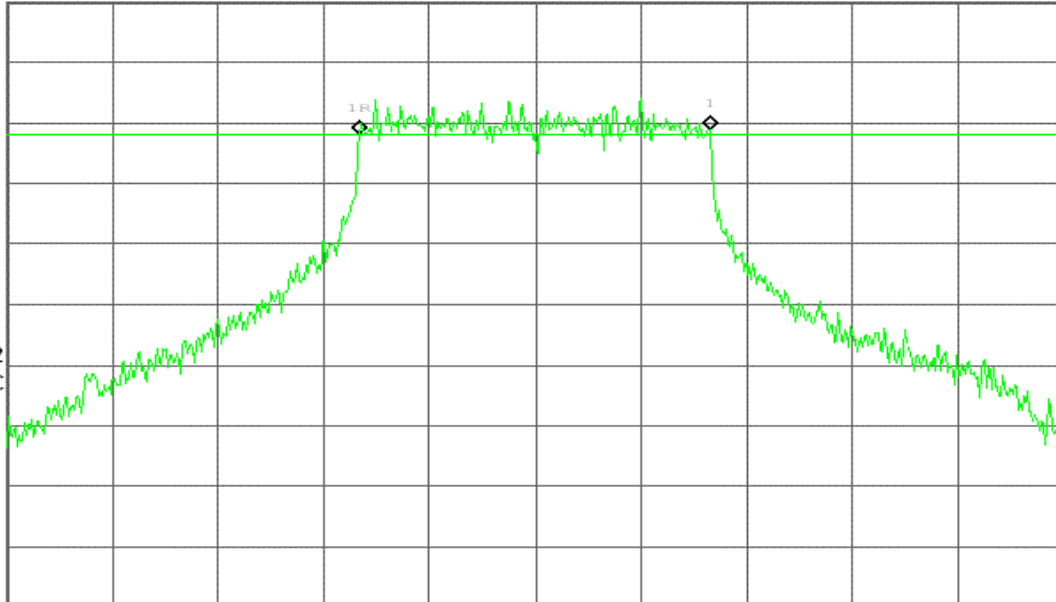
V1 S2

S3 FC

α(f):

FTun

Swp



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH High

Agilent 17:44:17 Nov 30, 2005

R L

6dB BW, g Mode High Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

-2.80 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

-5.6

dBm

LgAv

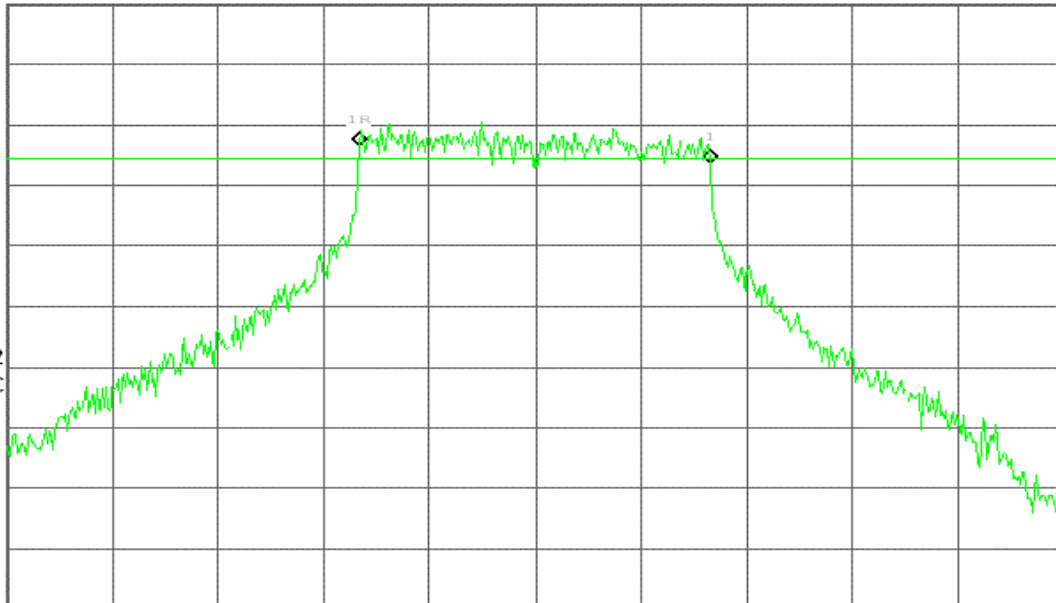
V1 S2

S3 FC

α(f):

FTun

Swp



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

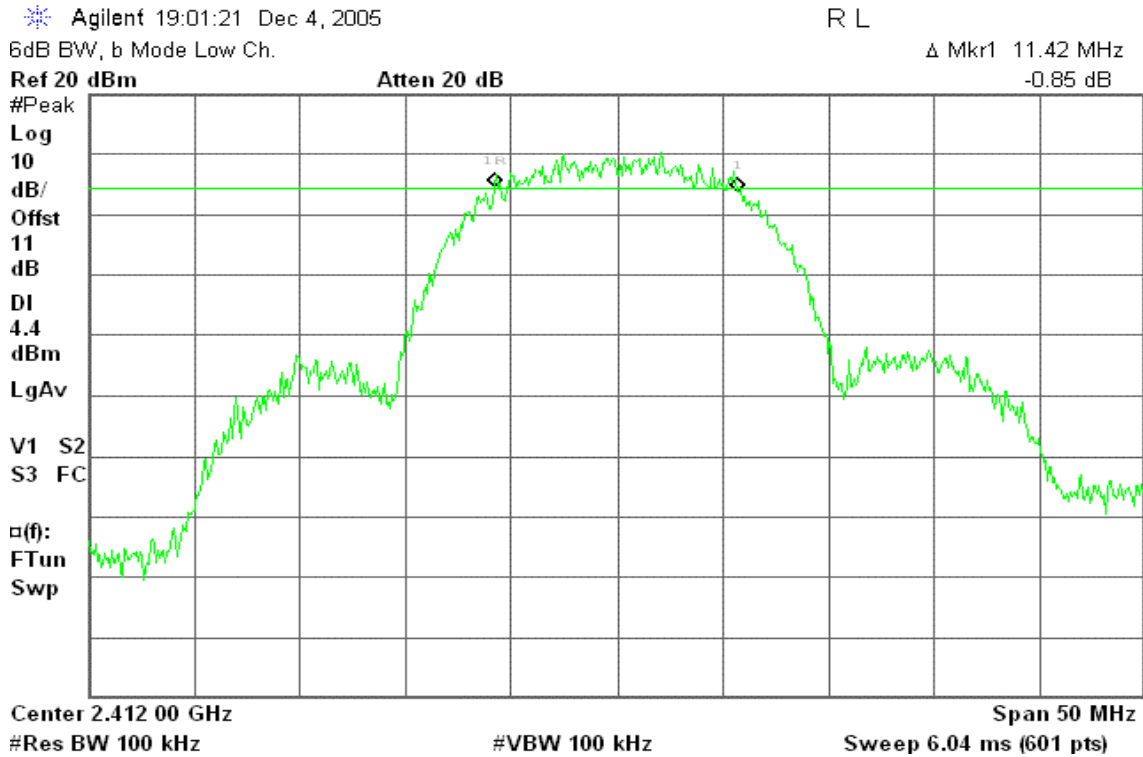
Sweep 6.04 ms (601 pts)



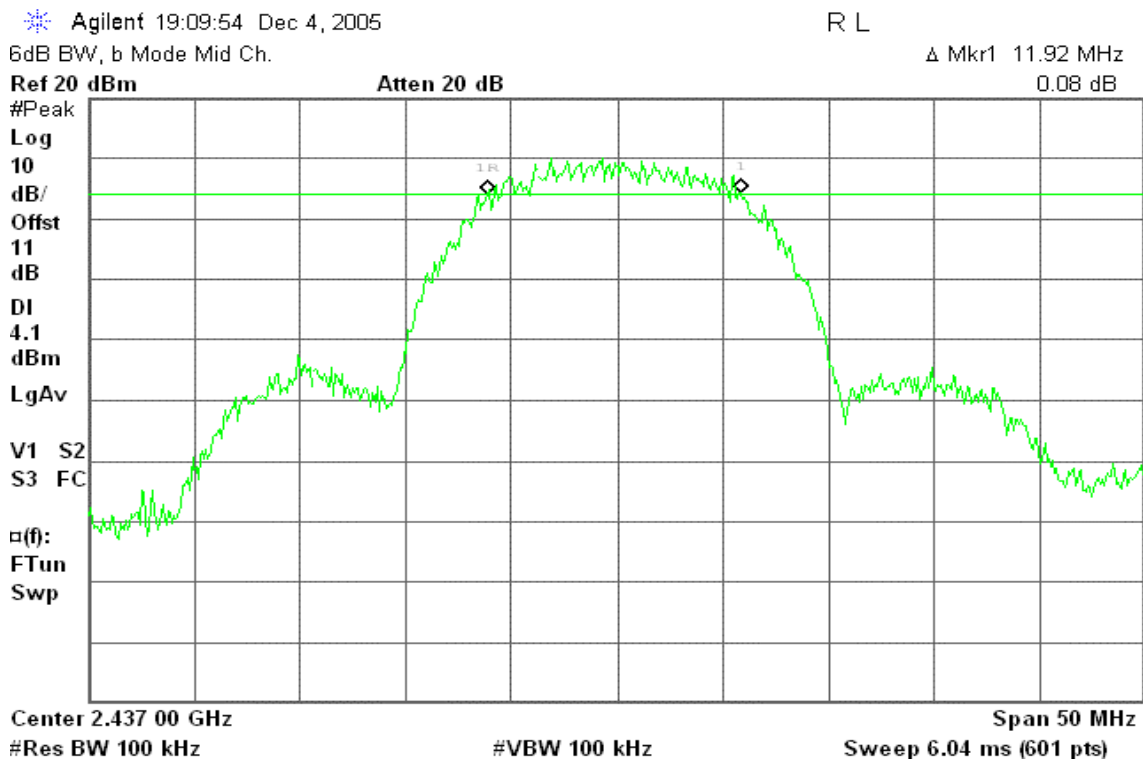
Mode 5: Antenna 4+ Module 1

IEEE 802.11b

CH Low



CH Mid





CH High

Agilent 19:17:11 Dec 4, 2005

R L

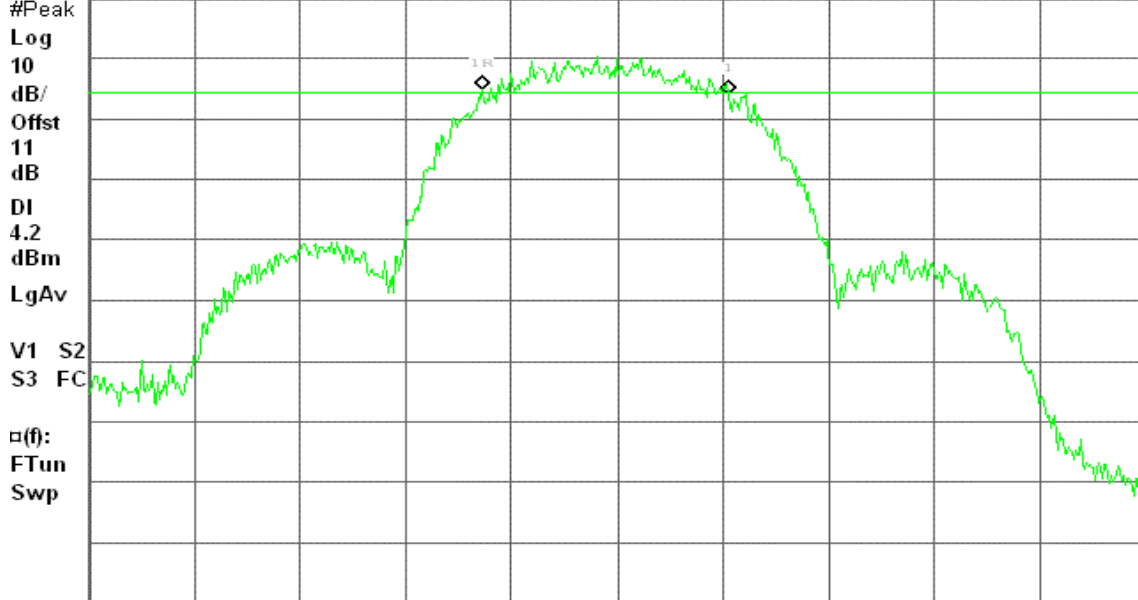
6dB BW, b Mode High Ch.

Δ Mkr1 11.58 MHz

Ref 20 dBm

Atten 20 dB

-0.62 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

IEEE 802.11g

CH Low

Agilent 21:21:01 Dec 4, 2005

R L

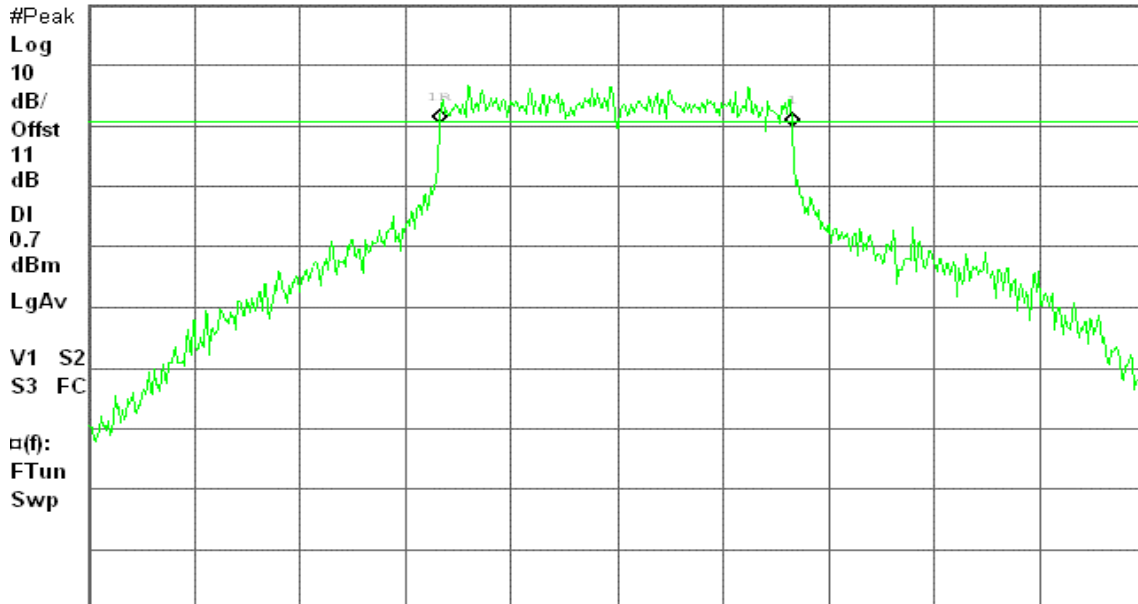
6dB BW, g Mode Low Ch.

Δ Mkr1 16.58 MHz

Ref 20 dBm

Atten 20 dB

-0.52 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH Mid

Agilent 21:12:29 Dec 4, 2005

R L

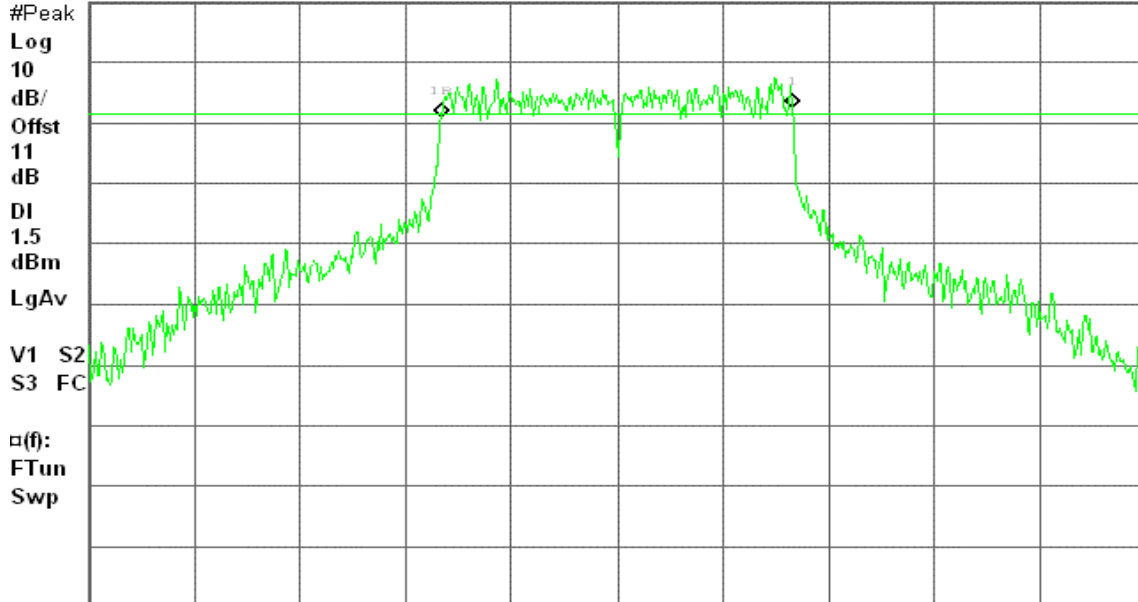
6dB BW, g Mode Mid Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

1.70 dB



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH High

Agilent 21:00:17 Dec 4, 2005

R L

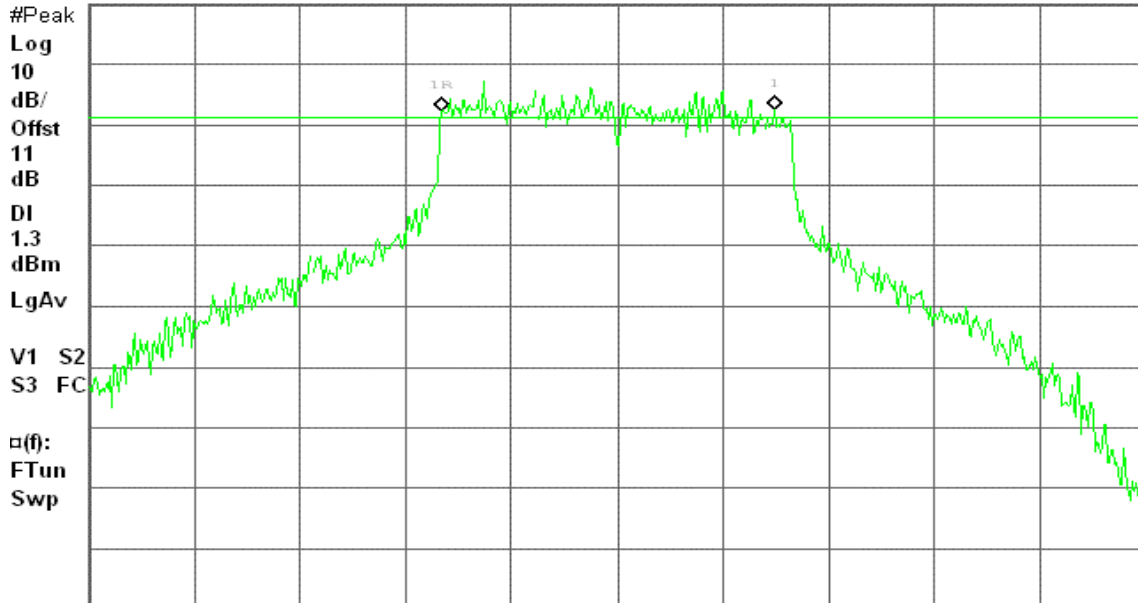
6dB BW, g Mode High Ch.

Δ Mkr1 15.67 MHz

Ref 20 dBm

Atten 20 dB

0.28 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

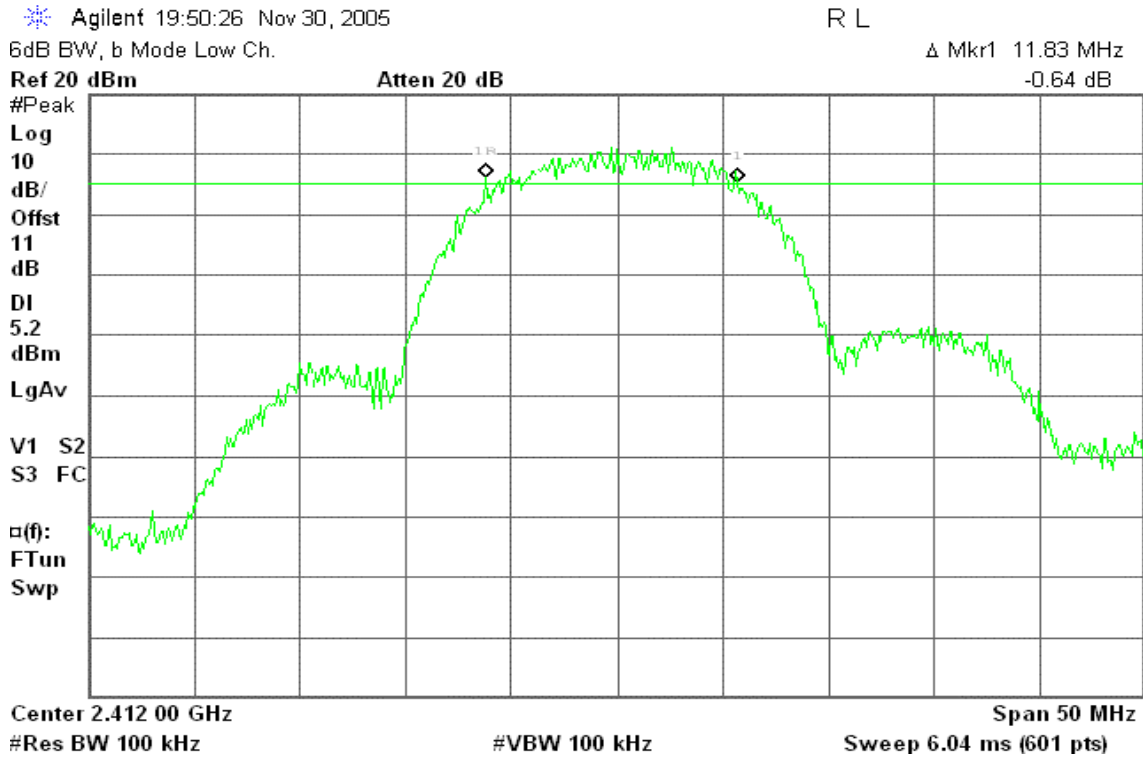
Sweep 6.04 ms (601 pts)



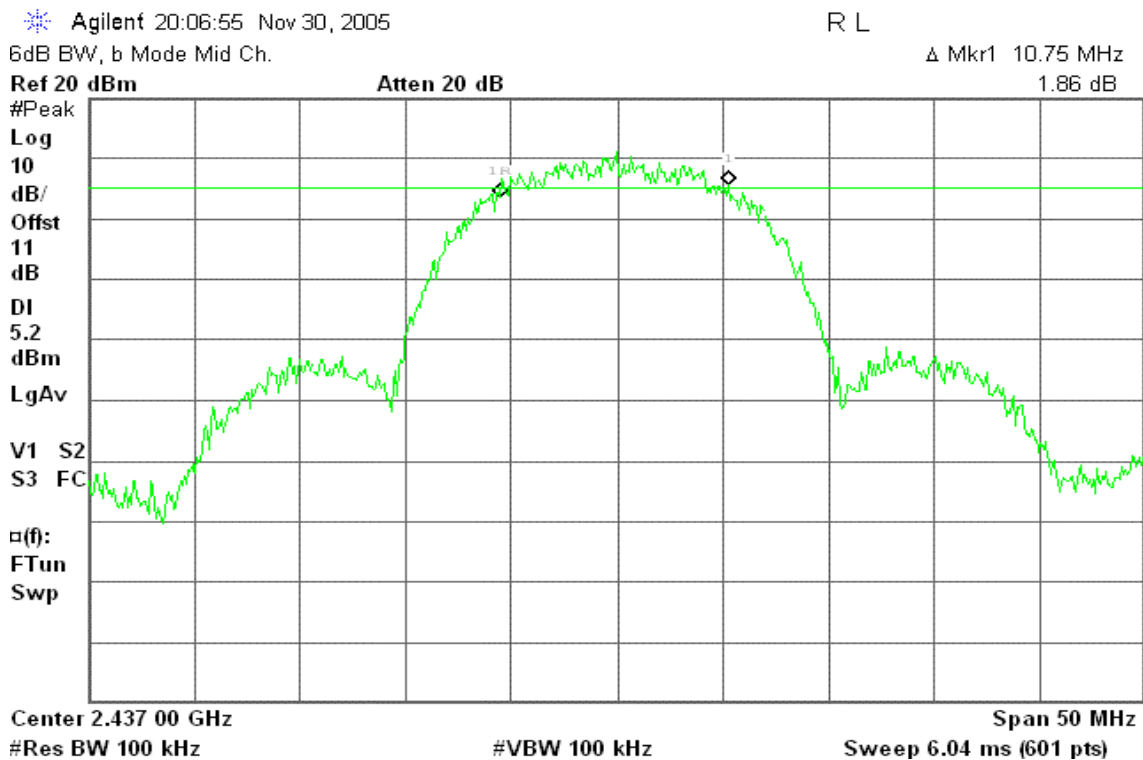
Mode 6: Antenna 4+ Module 2

IEEE 802.11b

CH Low



CH Mid





CH High

Agilent 20:23:21 Nov 30, 2005

R L

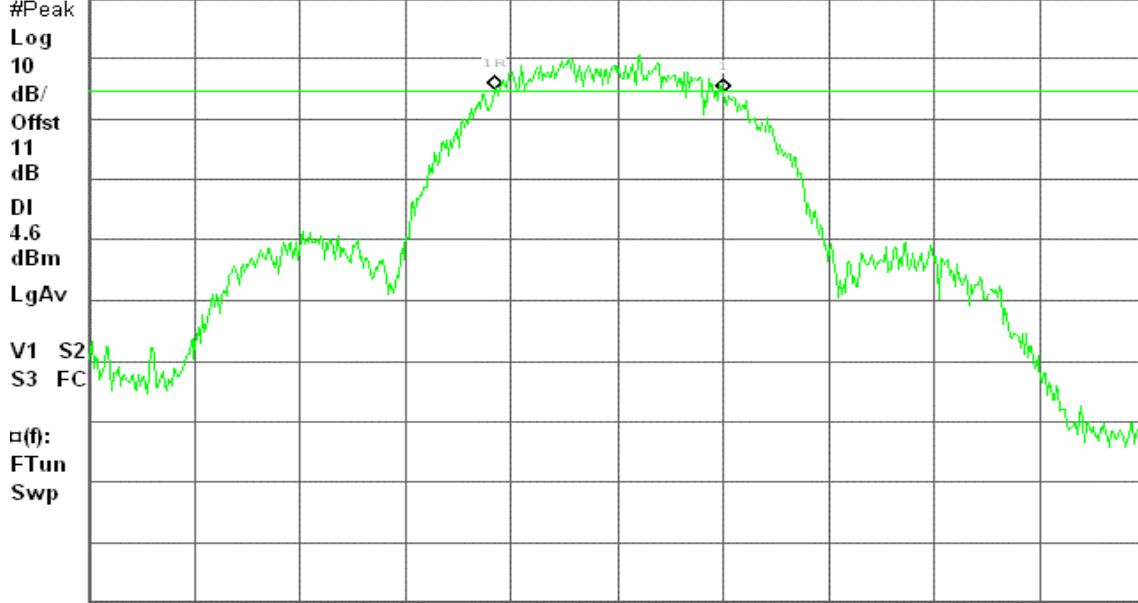
6dB BW, b Mode High Ch.

Δ Mkr1 10.75 MHz

Ref 20 dBm

Atten 20 dB

-0.72 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

IEEE 802.11g

CH Low

Agilent 20:52:28 Nov 30, 2005

R L

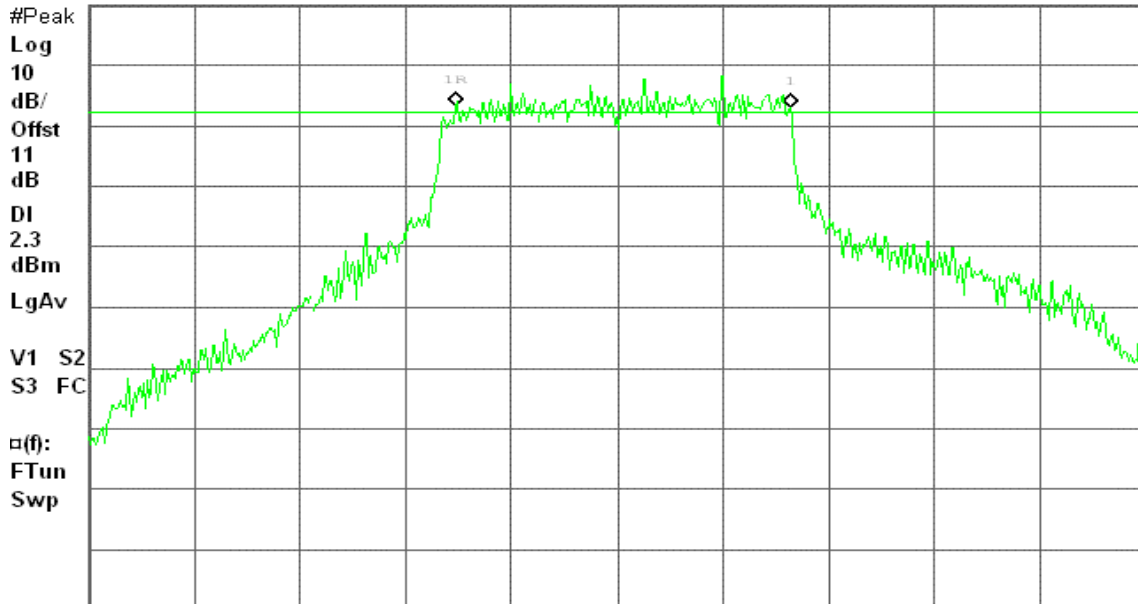
6dB BW, g Mode Low Ch.

Δ Mkr1 15.75 MHz

Ref 20 dBm

Atten 20 dB

-0.29 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH Mid

Agilent 20:41:45 Nov 30, 2005

R L

6dB BW, g Mode Mid Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

-0.65 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

0.9

dBm

LgAv

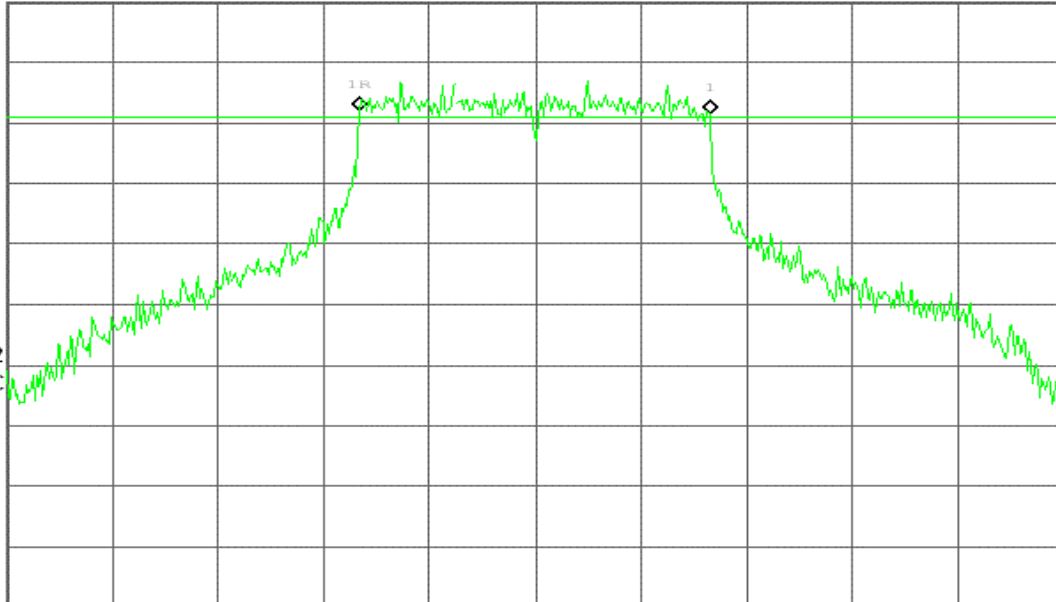
V1 S2

S3 FC

$\alpha(f)$:

FTun

Swp



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH High

Agilent 20:33:35 Nov 30, 2005

R L

6dB BW, g Mode High Ch.

Δ Mkr1 16.25 MHz

Ref 20 dBm

Atten 20 dB

-1.11 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

-1.1

dBm

LgAv

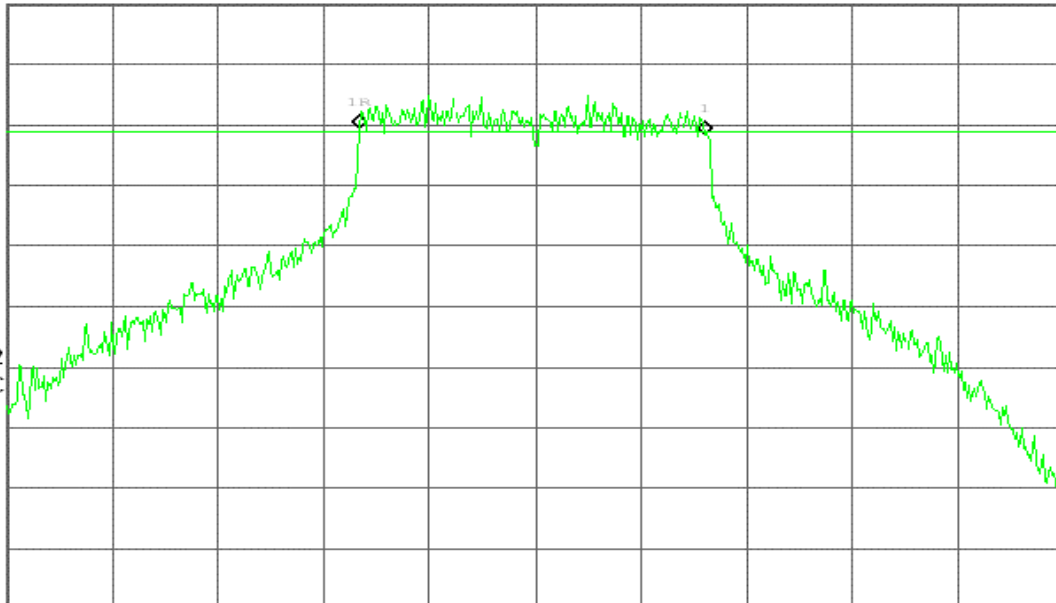
V1 S2

S3 FC

$\alpha(f)$:

FTun

Swp



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



IEEE 802.11a

CH Low

Agilent 22:48:21 Nov 30, 2005

R L

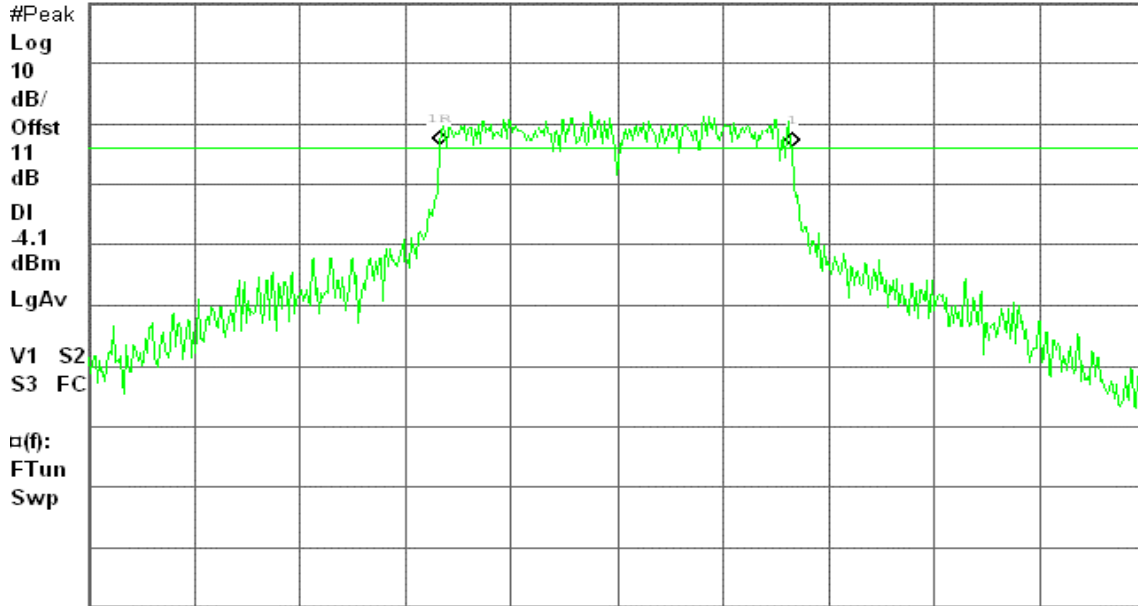
6dB BW, a Mode Low Ch.

Δ Mkr1 16.58 MHz

Ref 20 dBm

Atten 20 dB

-0.24 dB



Center 5.745 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH Mid

Agilent 22:53:50 Nov 30, 2005

R L

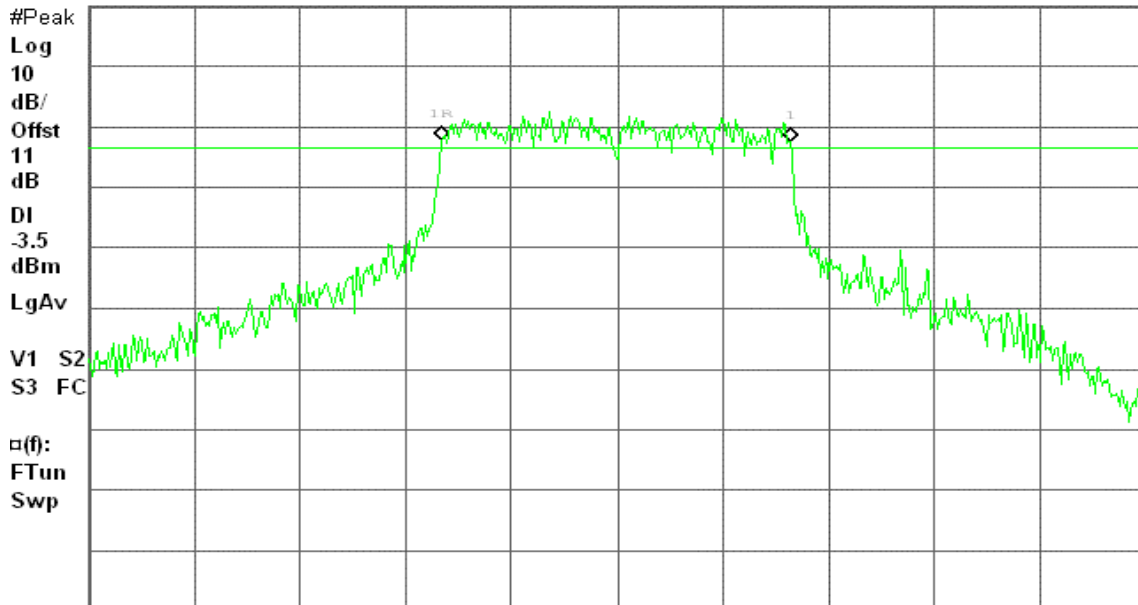
6dB BW, a Mode Mid Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

-0.22 dB



Center 5.785 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH High

Agilent 23:00:02 Nov 30, 2005

R L

6dB BW, a Mode High Ch.

Δ Mkr1 16.58 MHz

Ref 20 dBm

Atten 20 dB

1.63 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

-5.0

dBm

LgAv

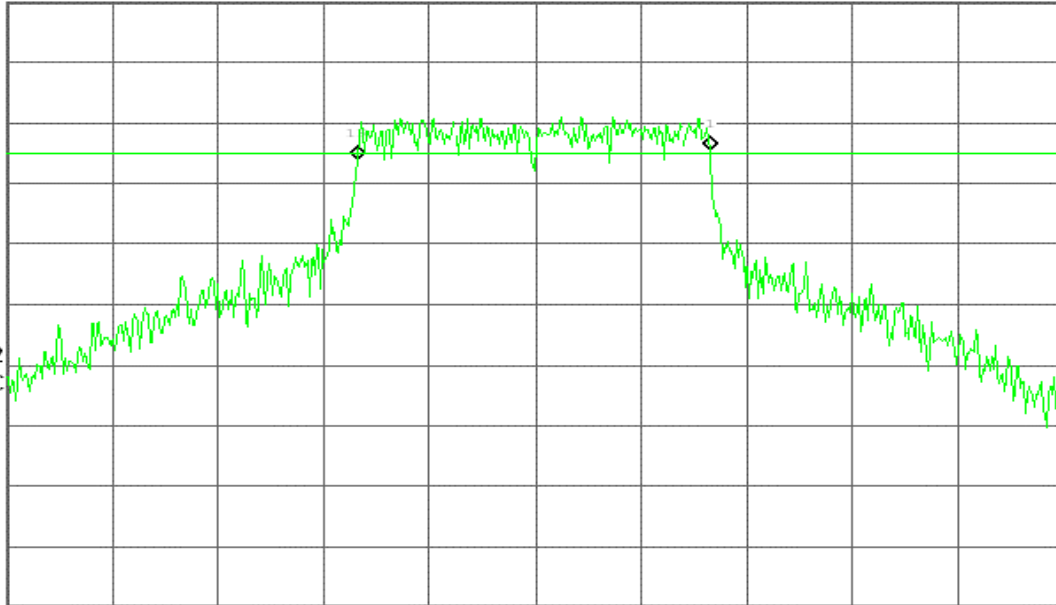
V1 S2

S3 FC

$\alpha(f)$:

FTun

Swp



Center 5.825 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

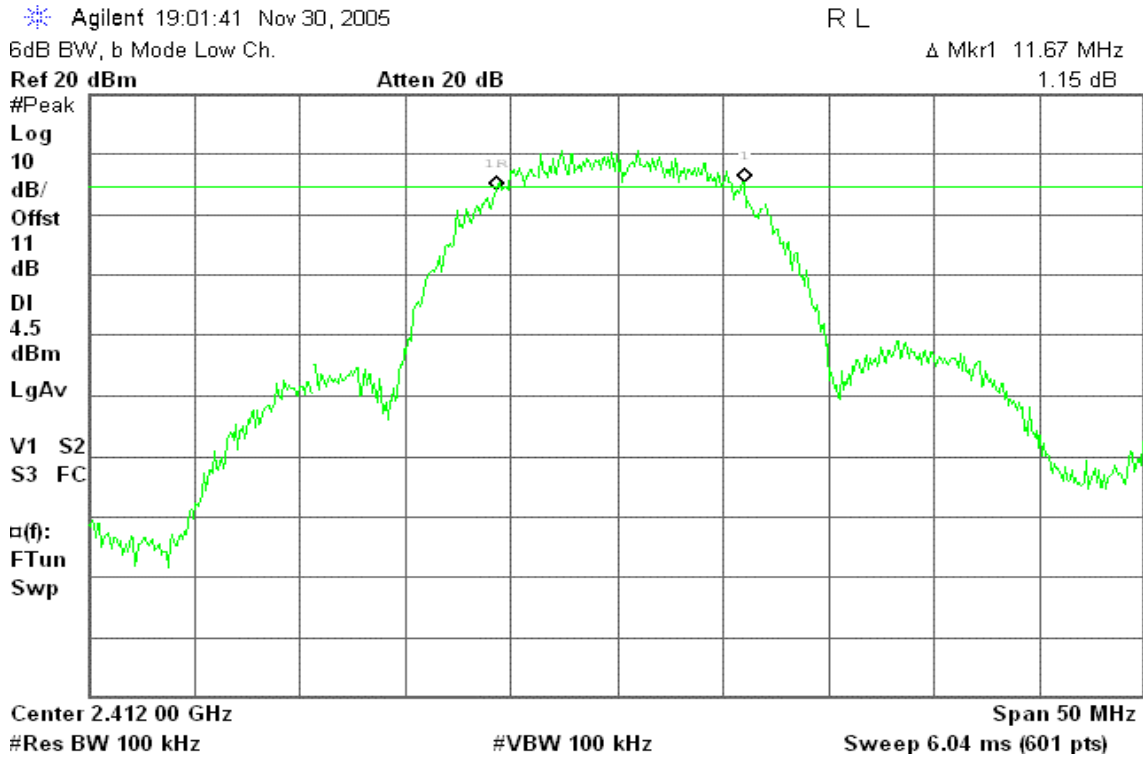
Sweep 6.04 ms (601 pts)



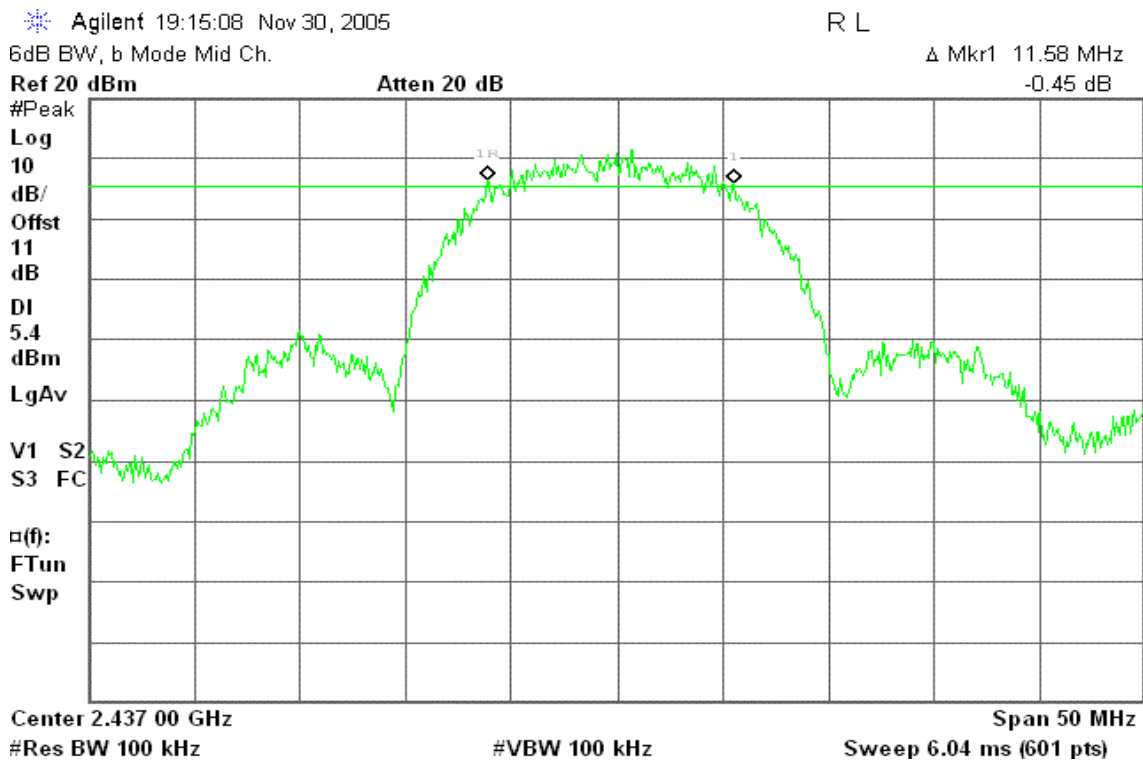
Mode 7: Antenna 5+ Module 1

IEEE 802.11b

CH Low



CH Mid





CH High

Agilent 19:24:33 Nov 30, 2005

R L

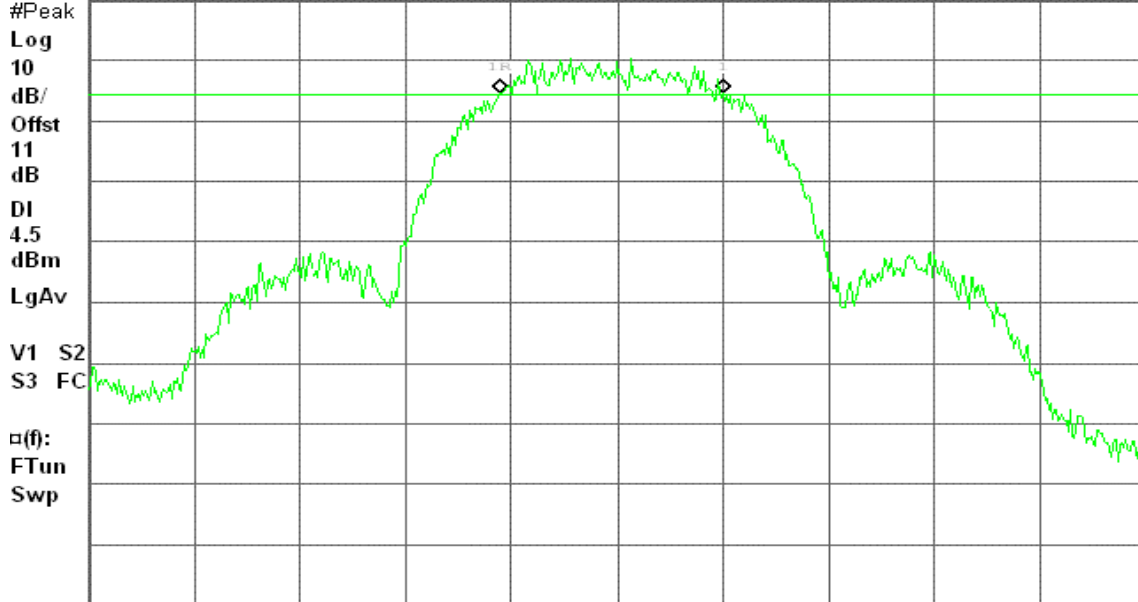
6dB BW, b Mode High Ch.

Δ Mkr1 10.50 MHz

Ref 20 dBm

Atten 20 dB

0.04 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

IEEE 802.11g

CH Low

Agilent 18:52:52 Nov 30, 2005

R L

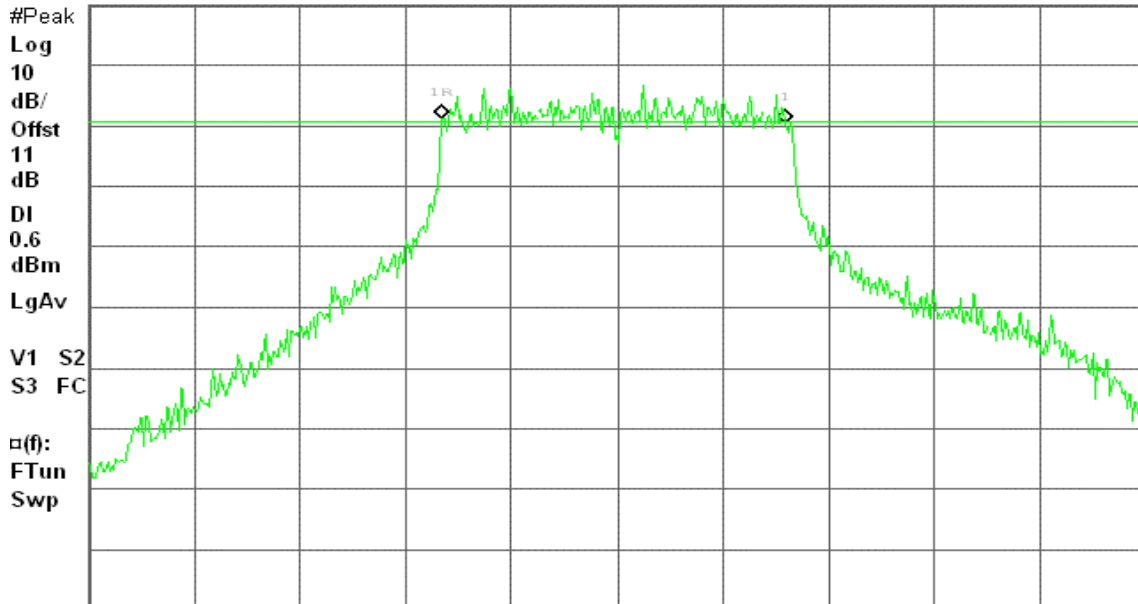
6dB BW, g Mode Low Ch.

Δ Mkr1 16.17 MHz

Ref 20 dBm

Atten 20 dB

-0.88 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH Mid

Agilent 18:45:22 Nov 30, 2005

R L

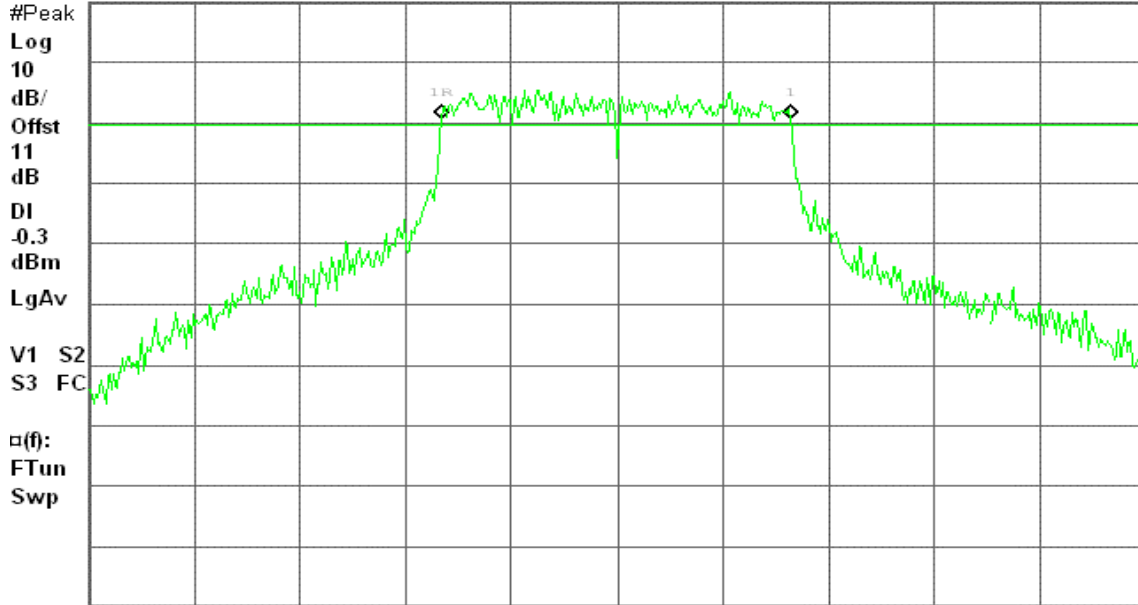
6dB BW, g Mode Mid Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

0.07 dB



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH High

Agilent 18:29:41 Nov 30, 2005

R L

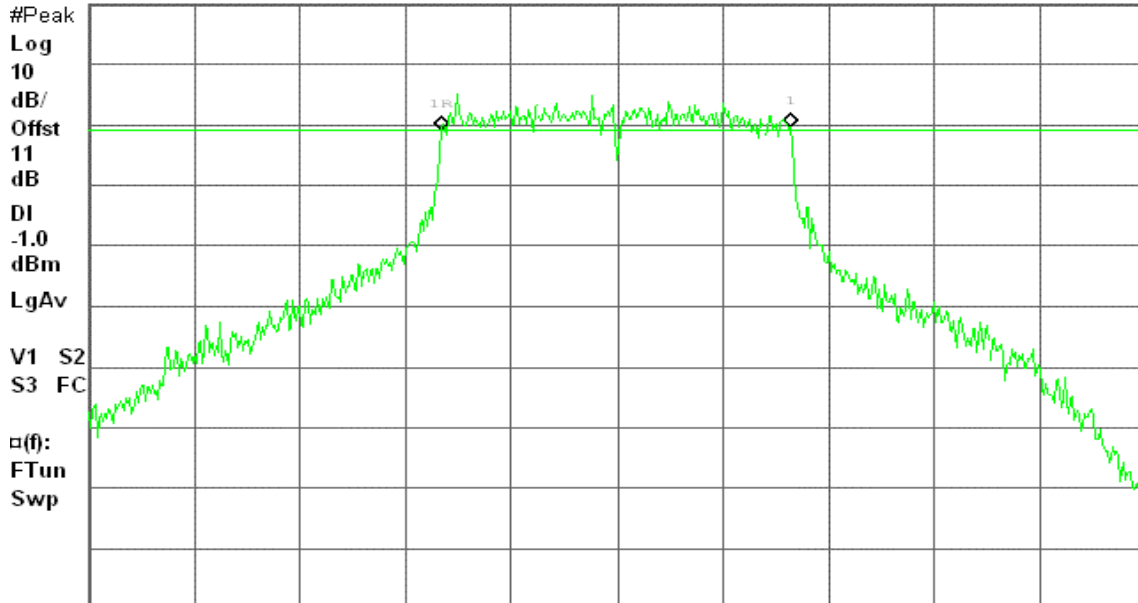
6dB BW, g Mode High Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

0.65 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



Mode 8: Antenna 5+ Module 2

IEEE 802.11b

CH Low

Agilent 21:58:13 Nov 30, 2005

R L

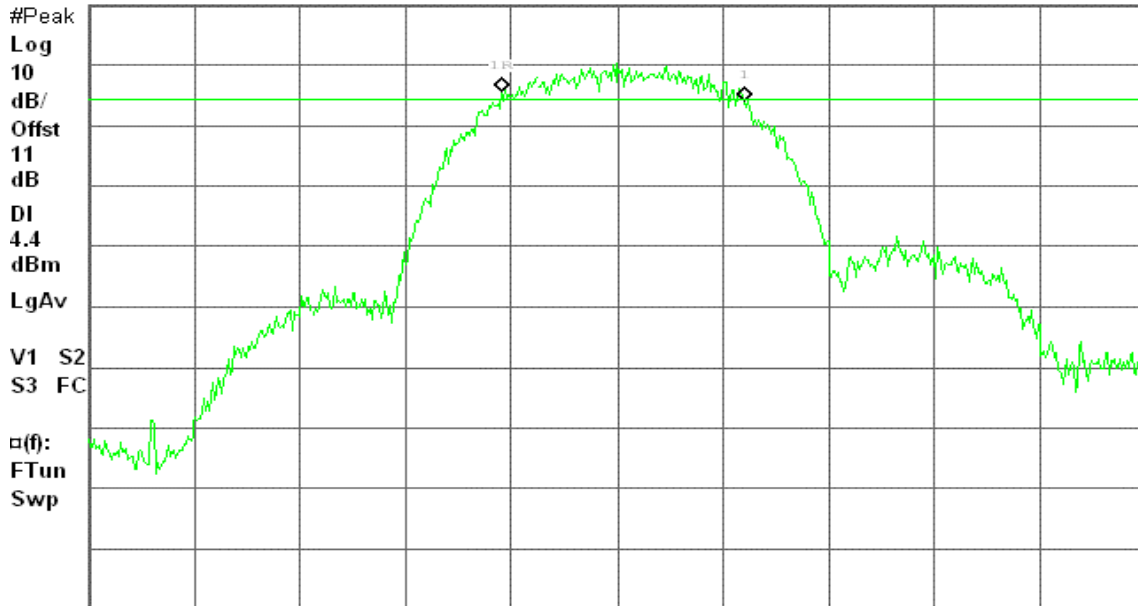
6dB BW, b Mode Low Ch.

Δ Mkr1 11.42 MHz

Ref 20 dBm

Atten 20 dB

-1.64 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH Mid

Agilent 22:05:43 Nov 30, 2005

R L

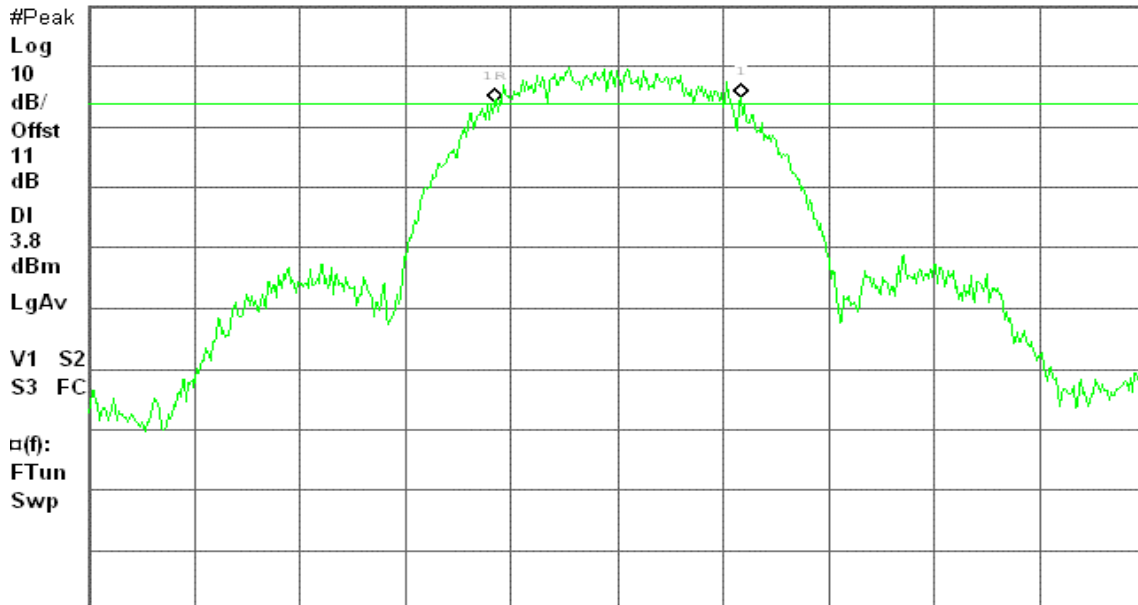
6dB BW, b Mode Mid Ch.

Δ Mkr1 11.58 MHz

Ref 20 dBm

Atten 20 dB

0.92 dB



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH High

Agilent 22:13:29 Nov 30, 2005

R L

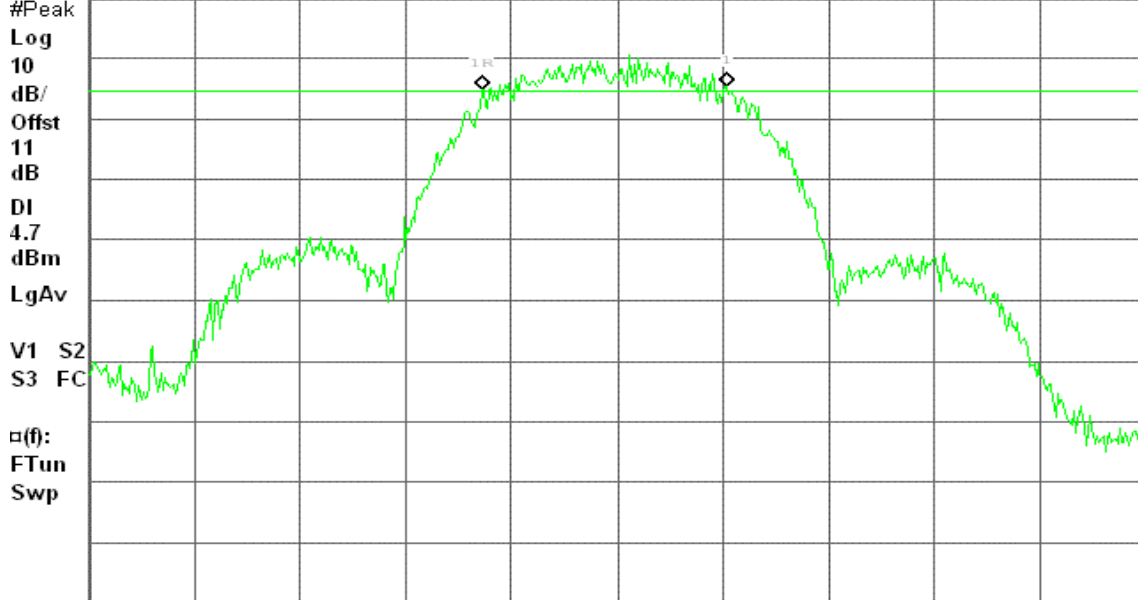
6dB BW, b Mode High Ch.

Δ Mkr1 11.50 MHz

Ref 20 dBm

Atten 20 dB

0.53 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

IEEE 802.11g

CH Low

Agilent 22:37:27 Nov 30, 2005

R L

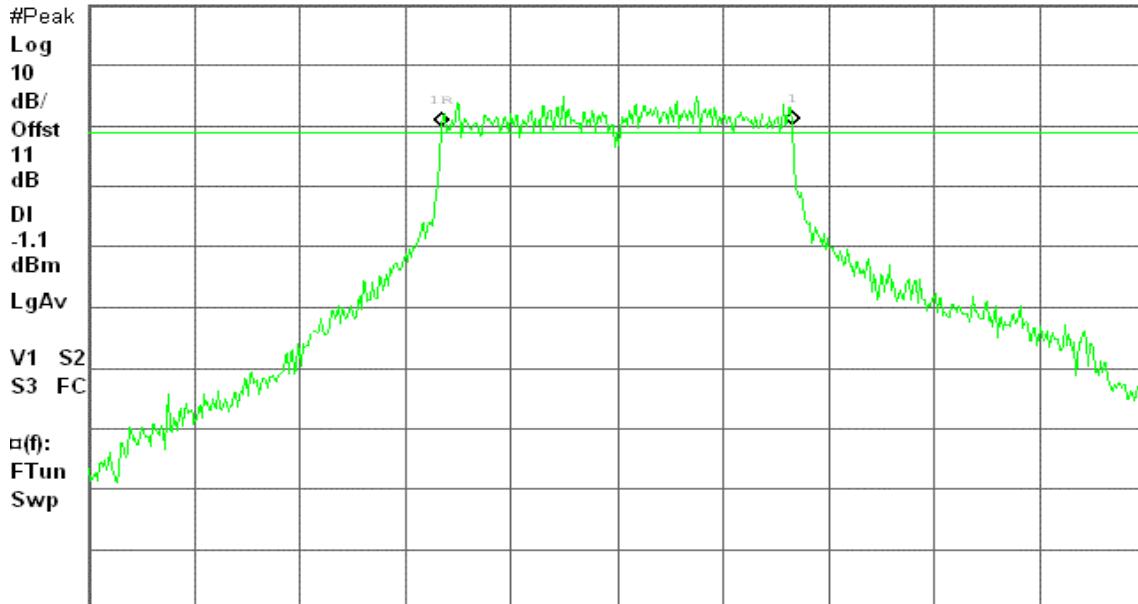
6dB BW, g Mode Low Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

0.49 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH Mid

Agilent 22:28:30 Nov 30, 2005

R L

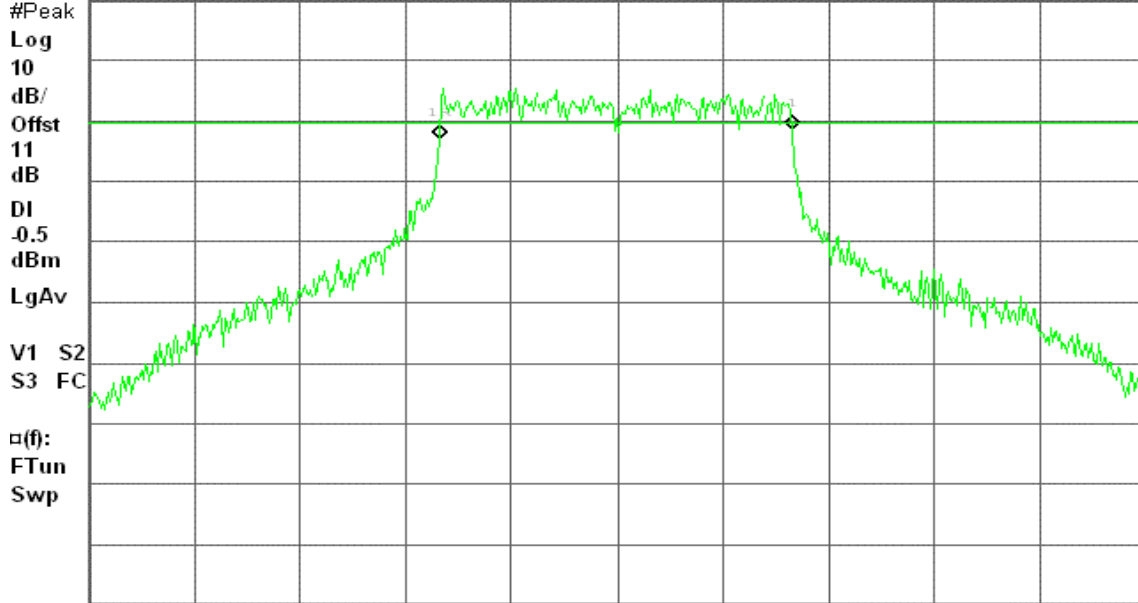
6dB BW, g Mode Mid Ch.

Δ Mkr1 16.58 MHz

Ref 20 dBm

Atten 20 dB

1.49 dB



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH High

Agilent 22:22:22 Nov 30, 2005

R L

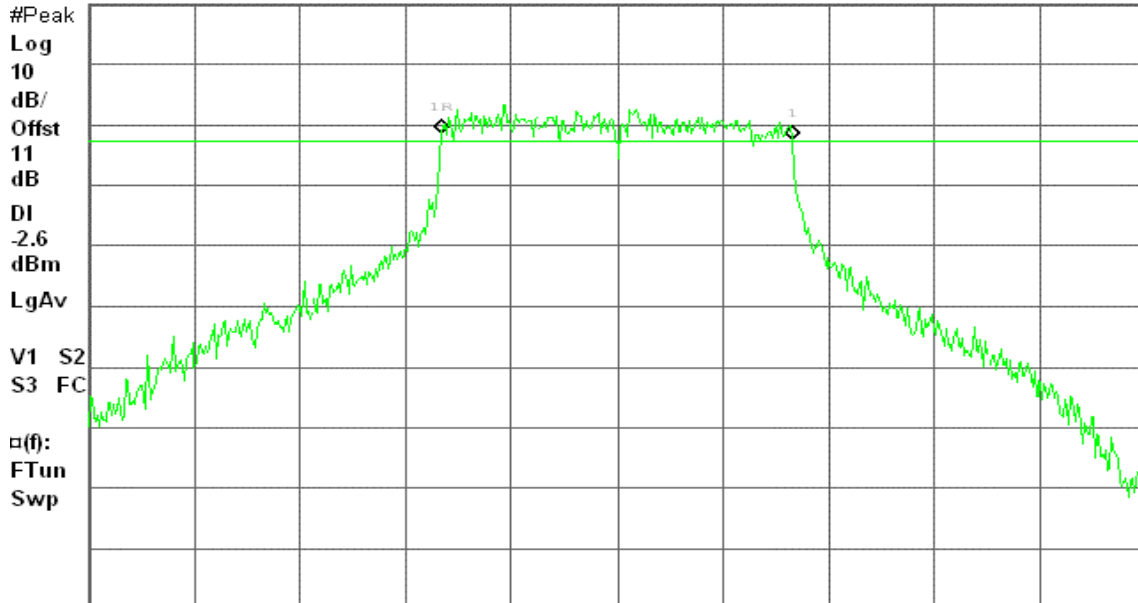
6dB BW, g Mode High Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

-1.14 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



IEEE 802.11a

CH Low

Agilent 23:22:46 Nov 30, 2005

R L

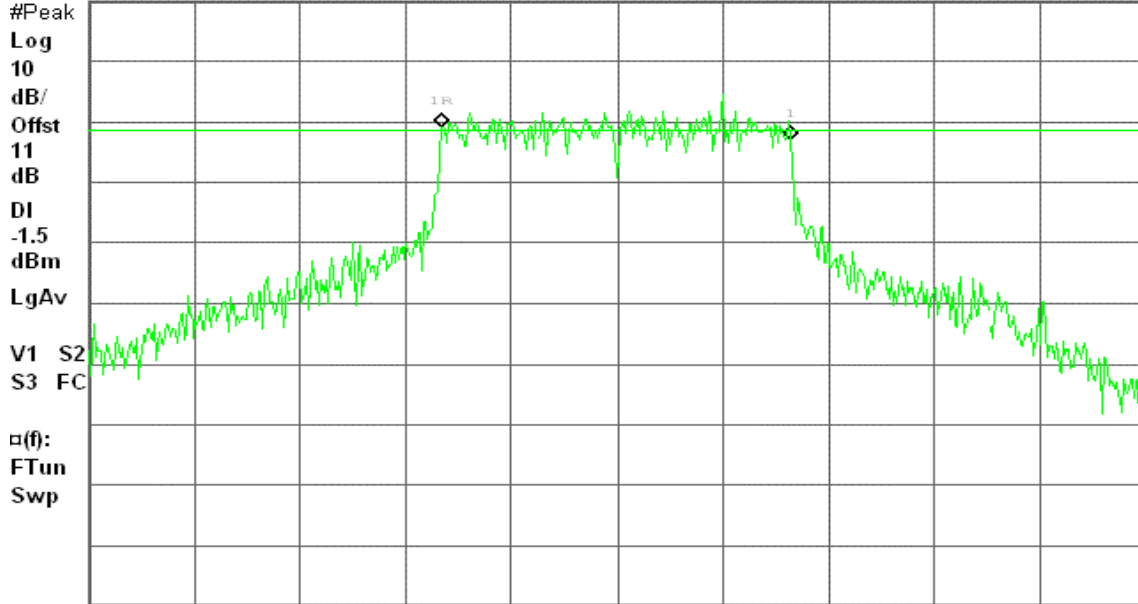
6dB BW, a Mode Low Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

-1.98 dB



Center 5.745 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH Mid

Agilent 23:16:20 Nov 30, 2005

R L

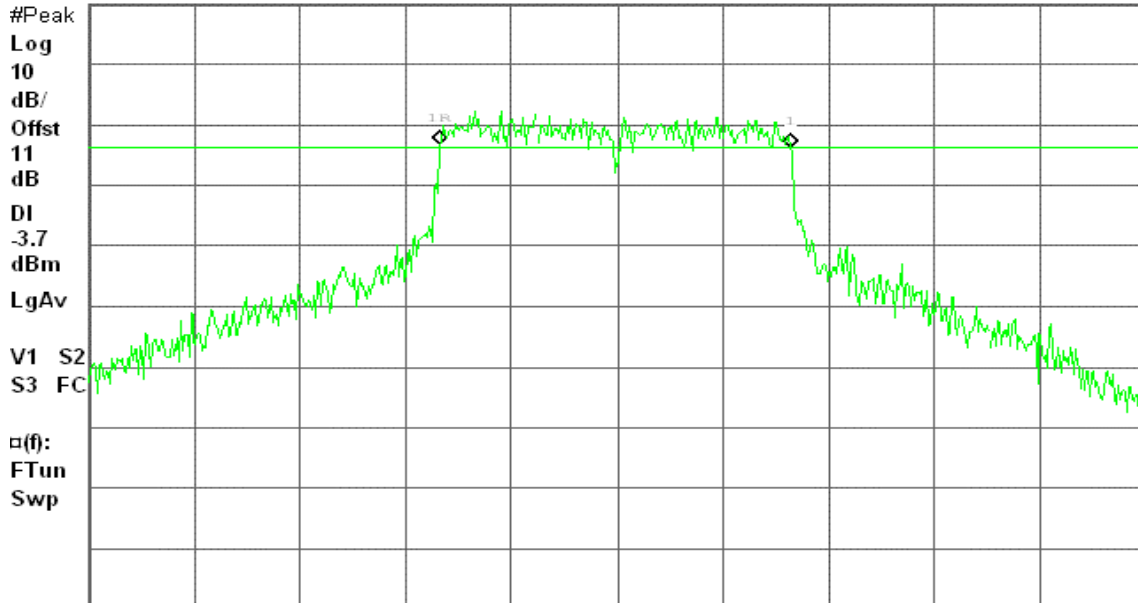
6dB BW, a Mode Mid Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

-0.40 dB



Center 5.785 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH High

Agilent 23:10:30 Nov 30, 2005

R L

6dB BW, a Mode High Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

-1.07 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

-4.2

dBm

LgAv

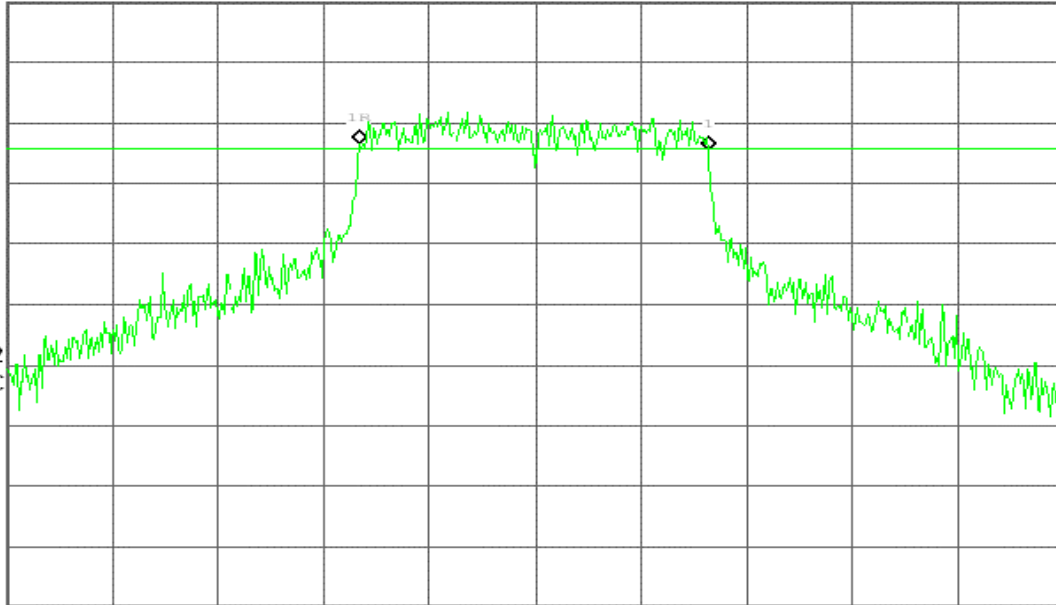
V1 S2

S3 FC

$\alpha(f)$:

FTun

Swp



Center 5.825 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

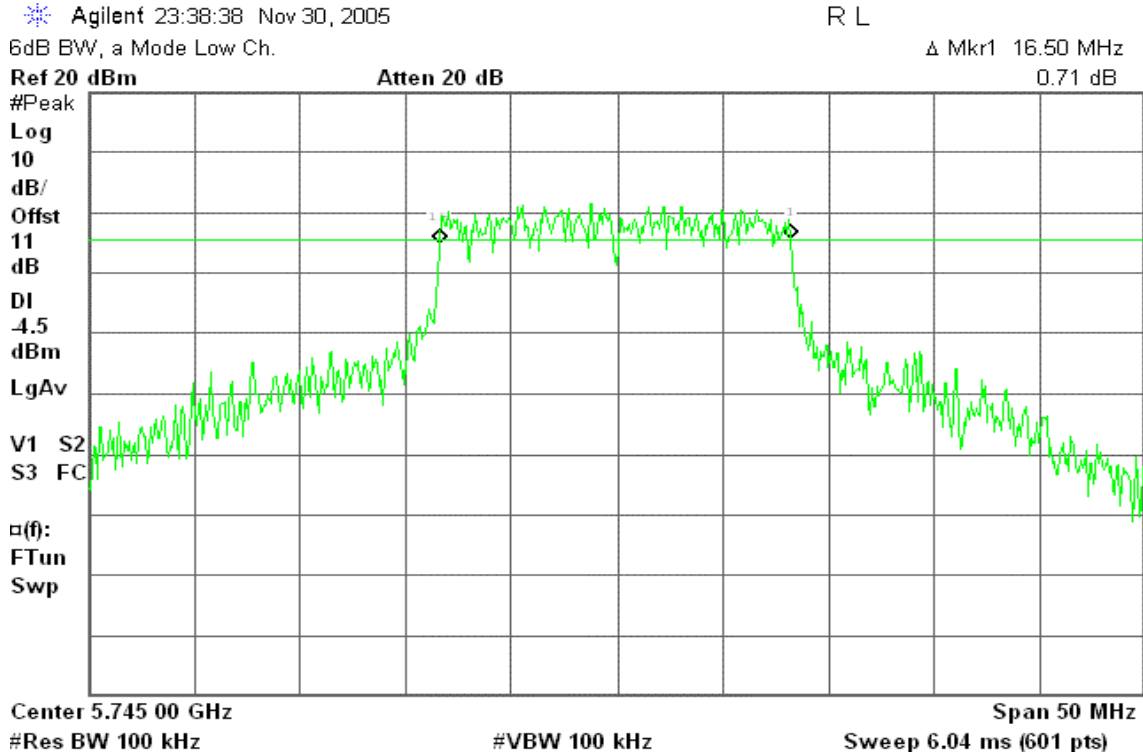
Sweep 6.04 ms (601 pts)



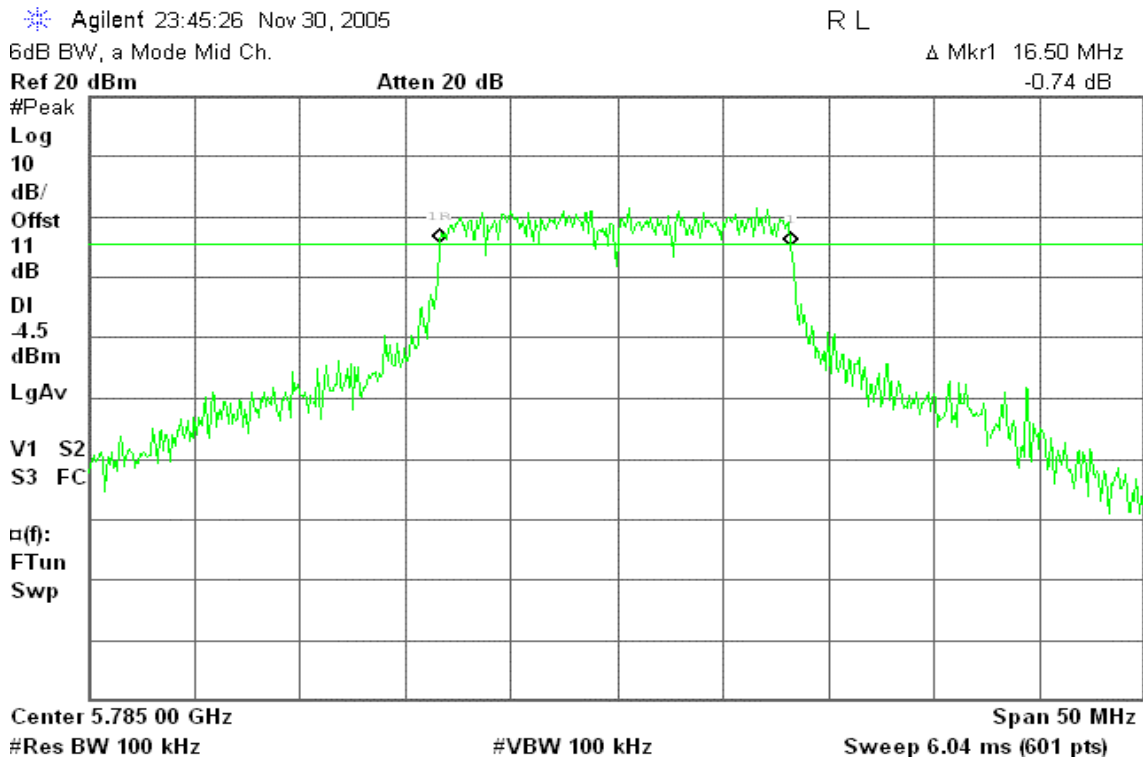
Mode 9: Antenna 6+ Module 2

IEEE 802.11a

CH Low



CH Mid





CH High

Agilent 23:50:52 Nov 30, 2005

R L

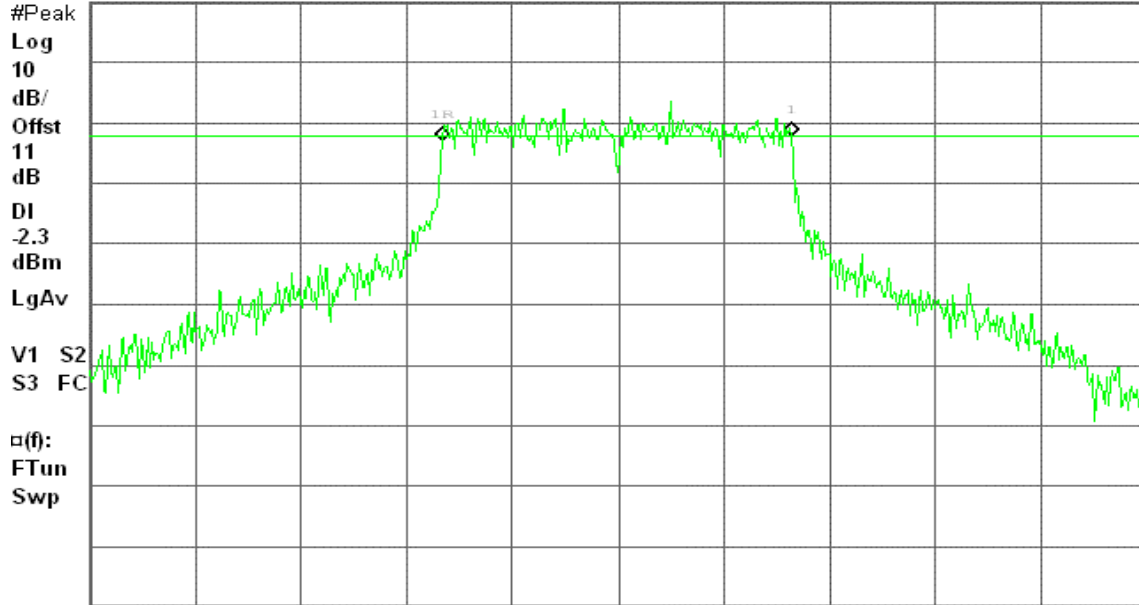
6dB BW, a Mode High Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

0.85 dB



Center 5.825 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



Mode 10: Antenna 7+ Module 2

IEEE 802.11a

CH Low

Agilent 00:14:43 Dec 1, 2005

R L

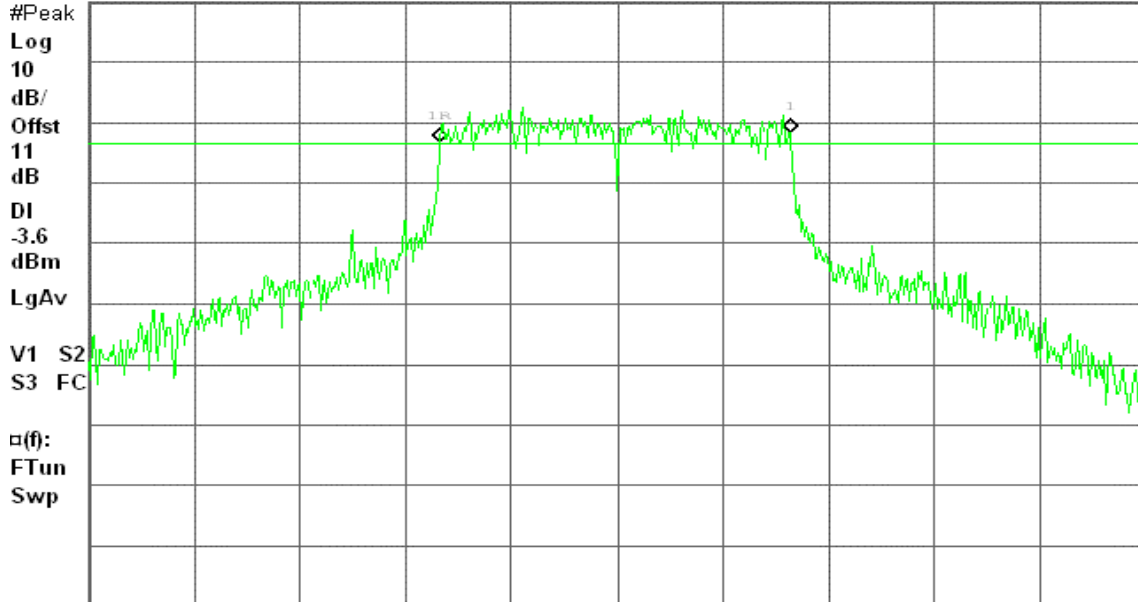
6dB BW, a Mode Low Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

1.52 dB



Center 5.745 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH Mid

Agilent 00:08:25 Dec 1, 2005

R L

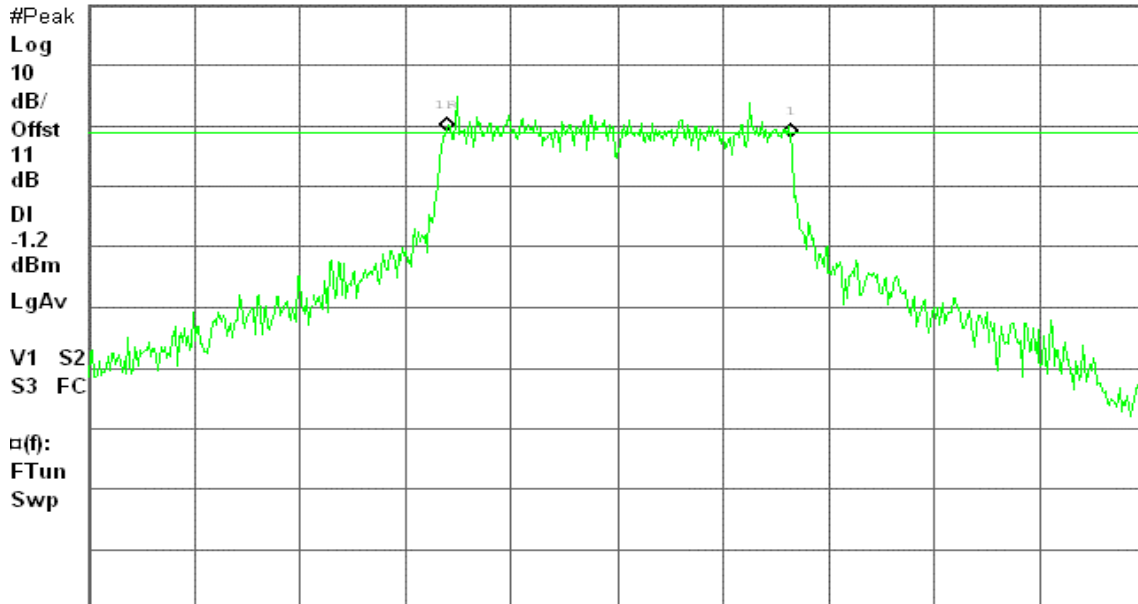
6dB BW, a Mode Mid Ch.

Δ Mkr1 16.17 MHz

Ref 20 dBm

Atten 20 dB

-0.86 dB



Center 5.785 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH High

Agilent 00:02:40 Dec 1, 2005

R L

6dB BW, a Mode High Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

1.00 dB

#Peak

Log

10

dB/

Offst

11

dB

Dl

-3.6

dBm

LgAv

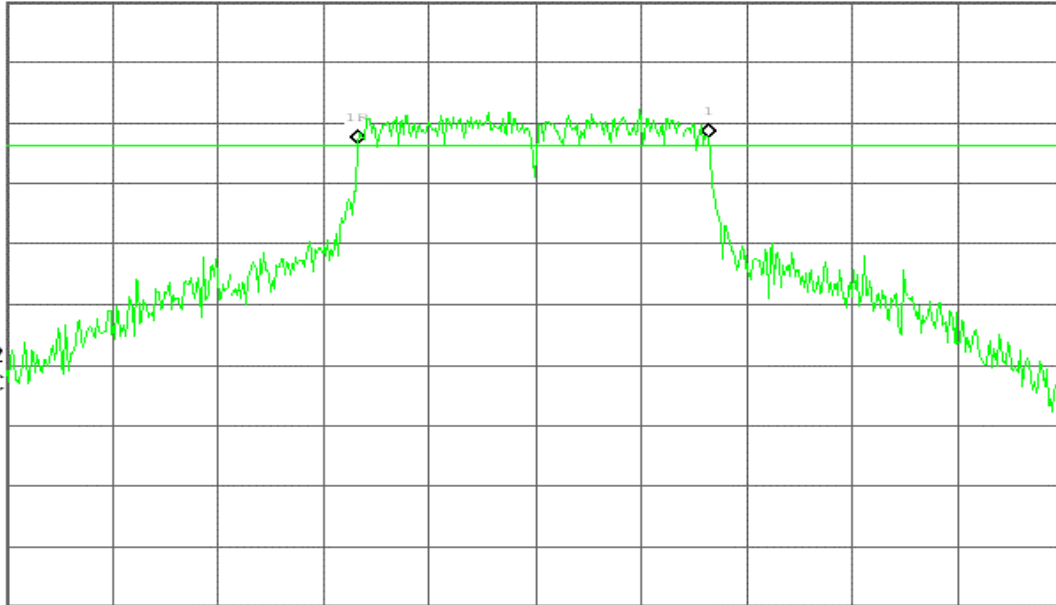
V1 S2

S3 FC

α(f):

FTun

Swp



Center 5.825 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

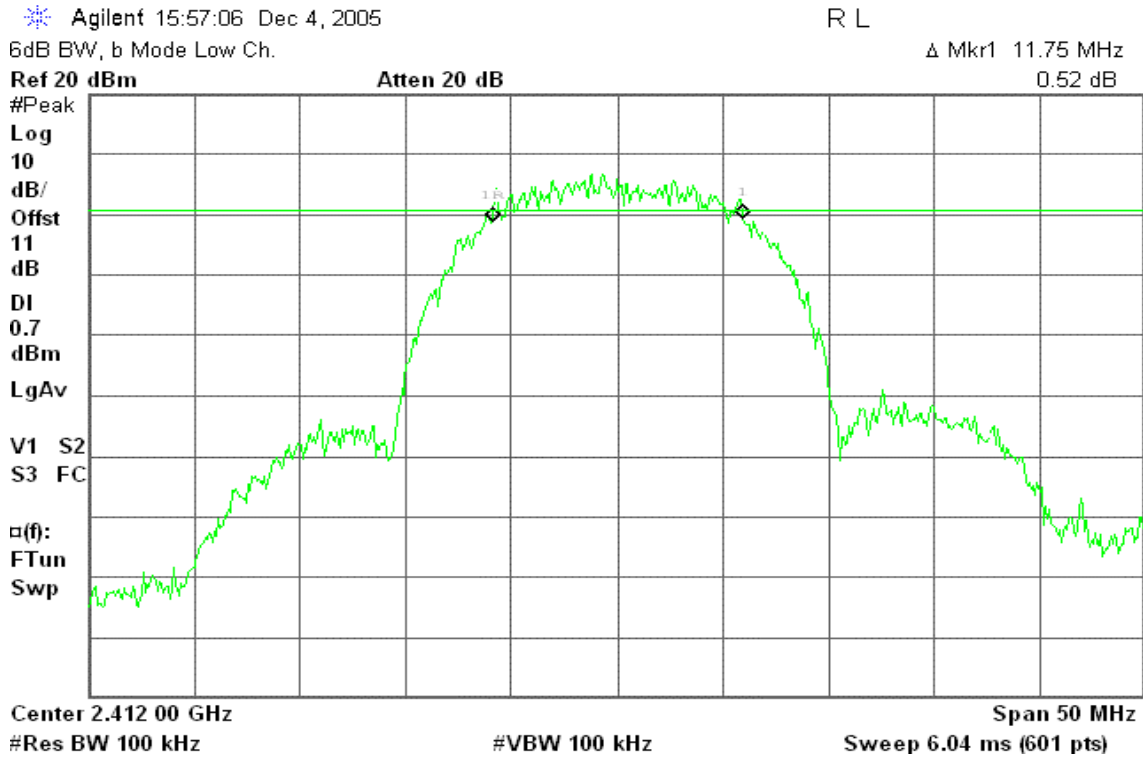
Sweep 6.04 ms (601 pts)



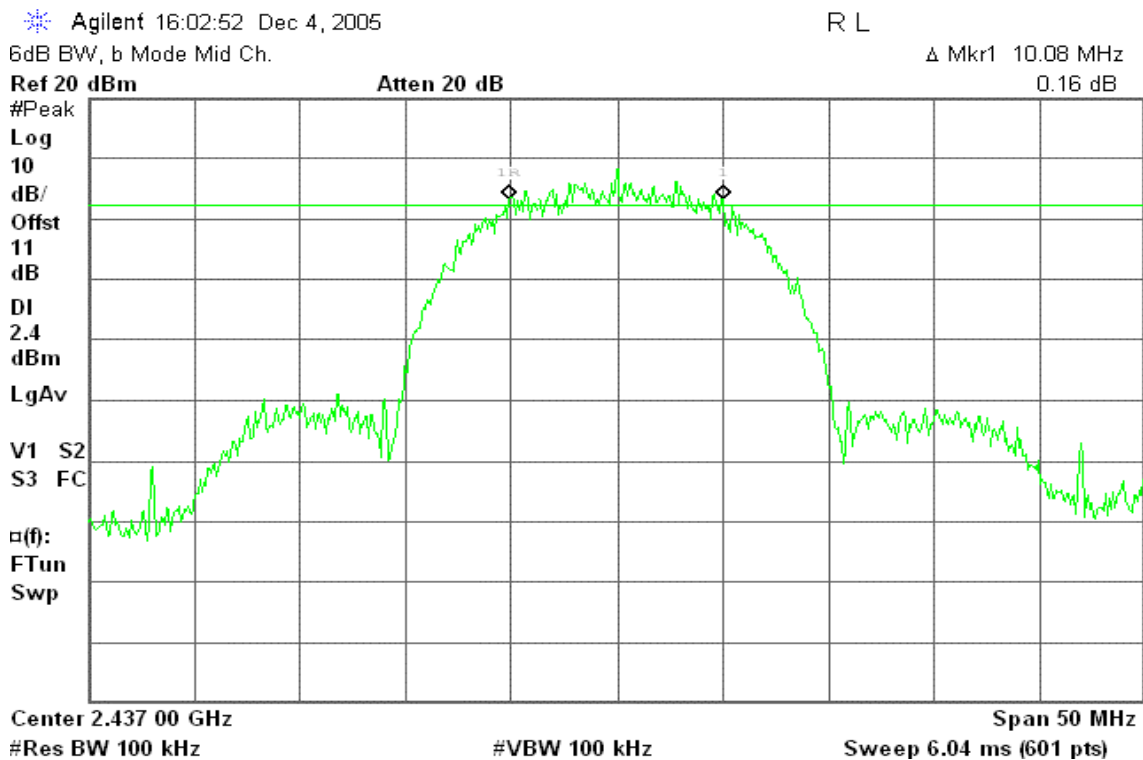
Mode 11: Antenna 9+ Module 1

IEEE 802.11b

CH Low



CH Mid





CH High

Agilent 16:08:25 Dec 4, 2005

R L

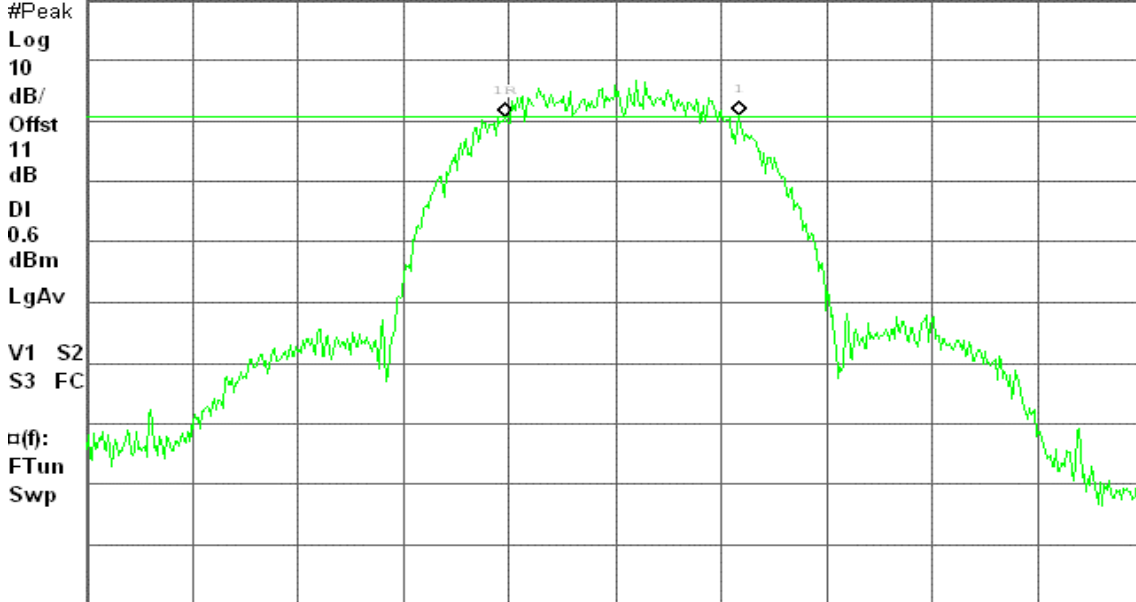
6dB BW, b Mode High Ch.

Δ Mkr1 11.00 MHz

Ref 20 dBm

Atten 20 dB

0.27 dB



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

IEEE 802.11g

CH Low

Agilent 16:29:41 Dec 4, 2005

R L

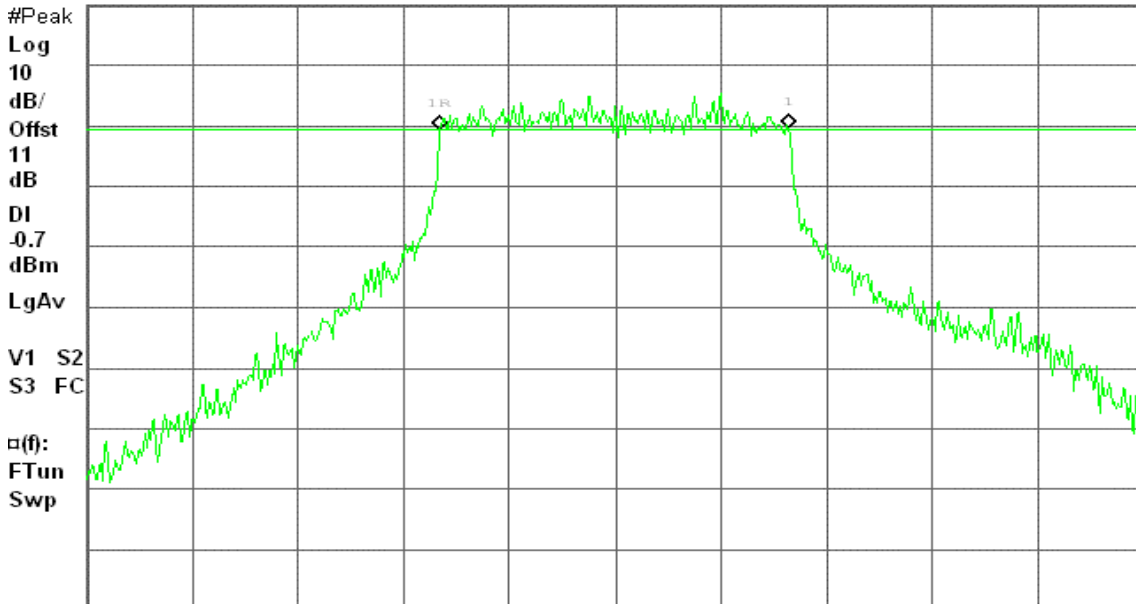
6dB BW, g Mode Low Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

0.26 dB



Center 2.412 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH Mid

Agilent 16:22:27 Dec 4, 2005

R L

6dB BW, g Mode Mid Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

-1.81 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

0.3

dBm

LgAv

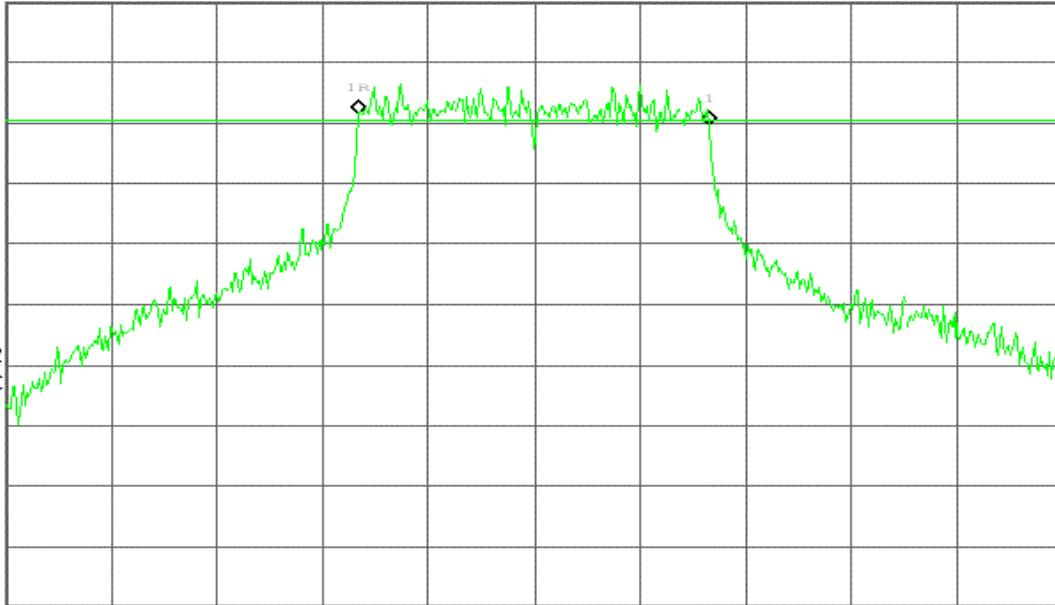
V1 S2

S3 FC

$\alpha(f)$:

FTun

Swp



Center 2.437 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH High

Agilent 16:14:33 Dec 4, 2005

R L

6dB BW, g Mode High Ch.

Δ Mkr1 16.58 MHz

Ref 20 dBm

Atten 20 dB

0.43 dB

#Peak

Log

10

dB/

Offst

11

dB

DI

-2.9

dBm

LgAv

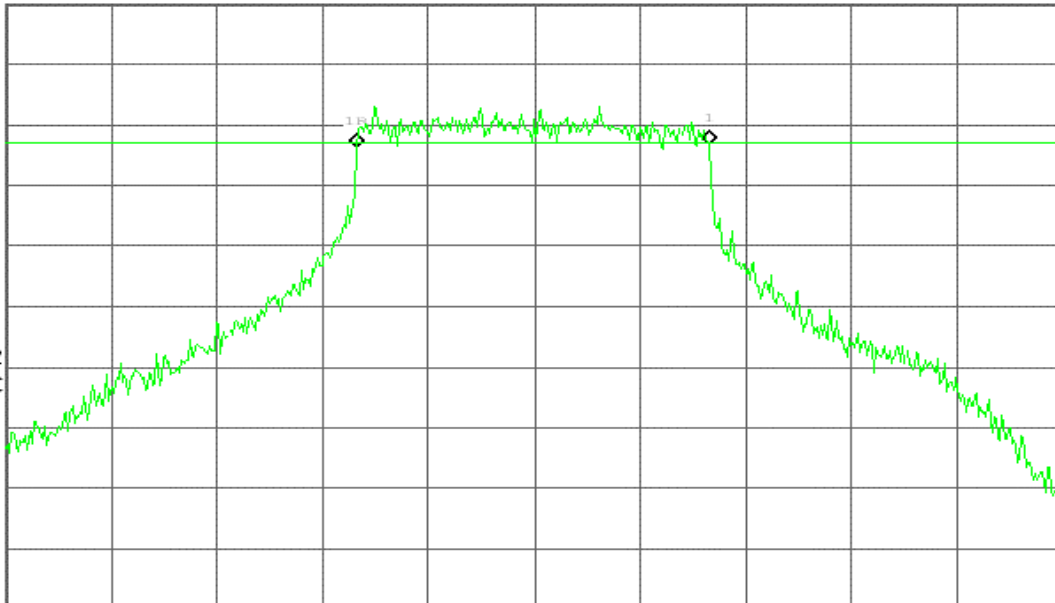
V1 S2

S3 FC

$\alpha(f)$:

FTun

Swp



Center 2.462 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



Mode 12: Antenna 11+ Module 2

IEEE 802.11a

CH Low

Agilent 16:52:02 Dec 4, 2005

R L

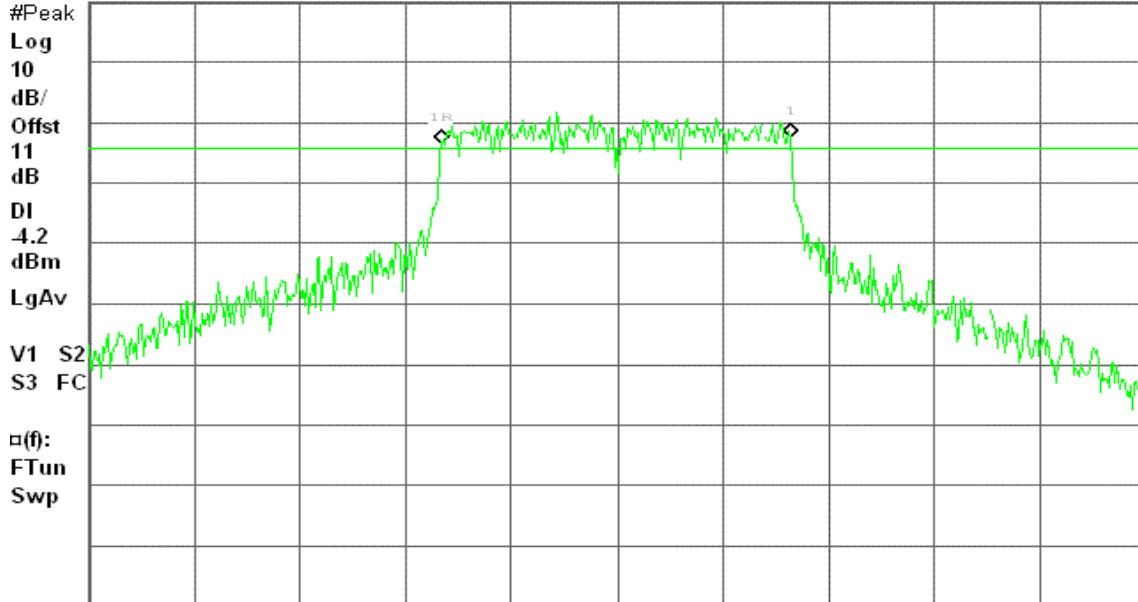
6dB BW, a Mode Low Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

1.12 dB



Center 5.745 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

CH Mid

Agilent 17:00:11 Dec 4, 2005

R L

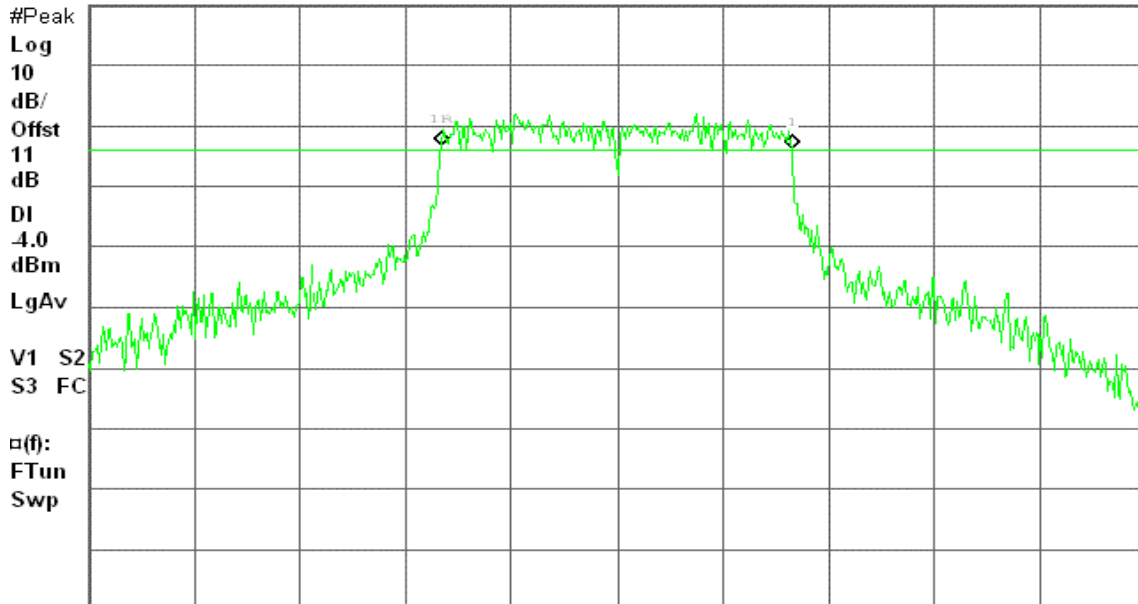
6dB BW, a Mode Mid Ch.

Δ Mkr1 16.50 MHz

Ref 20 dBm

Atten 20 dB

-0.58 dB



Center 5.785 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)



CH High

Agilent 17:05:11 Dec 4, 2005

R L

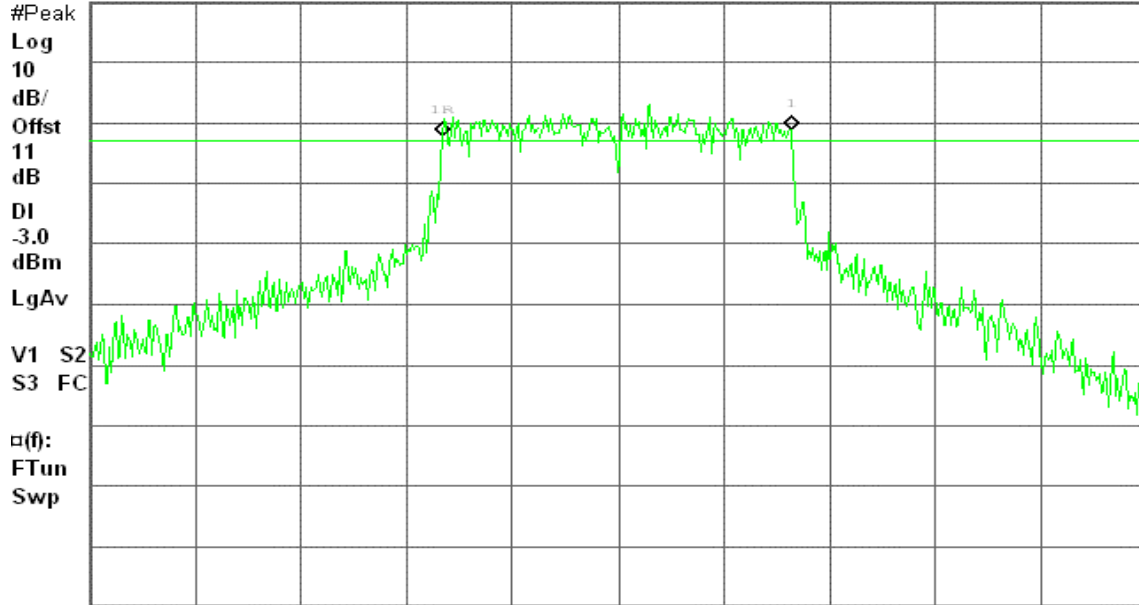
6dB BW, a Mode High Ch.

Δ Mkr1 16.42 MHz

Ref 20 dBm

Atten 20 dB

0.92 dB



Center 5.825 00 GHz

Span 50 MHz

#Res BW 100 kHz

#VBW 100 kHz

Sweep 6.04 ms (601 pts)

7.2 PEAK POWER

LIMIT

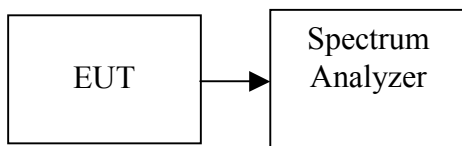
The maximum peak output power of the intentional radiator shall not exceed the following:

1. According to §15.247(b)(3), for systems using digital modulation in the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz: 1 Watt.
2. According to §15.247(b)(4), the conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
3. According to §15.247(c), operation with directional antenna gains greater than 6 dBi.

(1)Fixed point-to-point operation:

(i) Systems operating in the 2400-2483.5 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Test Configuration



TEST PROCEDURE

The transmitter output is connected to the Spectrum analyzer. The Spectrum analyzer is set to the peak power detection.



TEST RESULTS

No non-compliance noted.

Test Data

Mode 1: Antenna 2+ Module 1

Remark: The maximum antenna gain is 7.4dBi- cable loss 0.42dB= 6.98dBi; therefore the reduction due to antenna gain is 0.98dB, so the limit is 30-0.98=29.02dBm=0.798W.

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	24.73	0.29717	0.798	PASS
Mid	2437	24.58	0.28708		PASS
High	2462	25.05	0.31989		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	22.67	0.18493	0.798	PASS
Mid	2437	23.16	0.20701		PASS
High	2462	21.25	0.13335		PASS

Mode 2: Antenna 2+ Module 2

Remark: The maximum antenna gain is 7.4dBi- cable loss 0.75dB= 6.65dBi; therefore the reduction due to antenna gain is 0.65dB, so the limit is 30-0.65=29.35dBm=0.861W.

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	24.16	0.26062	0.861	PASS
Mid	2437	24.32	0.27040		PASS
High	2462	24.50	0.28184		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	22.07	0.16106	0.861	PASS
Mid	2437	22.25	0.16788		PASS
High	2462	19.61	0.09141		PASS



Mode 3: Antenna 3+ Module 1

Remark: The maximum antenna gain is 13.8dBi- cable loss 1.85dB- lightning arrester insertion loss 0.4dB = 11.55dBi; since this mode is fixed, point-to-point operation, the reduction due to antenna gain is 1.85dB, so the limit is $30-1.85=28.15dBm=0.653W$.

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	23.44	0.22080	0.653	PASS
Mid	2437	23.61	0.22961		PASS
High	2462	23.25	0.21135		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	19.40	0.08710	0.653	PASS
Mid	2437	20.12	0.10280		PASS
High	2462	17.28	0.05346		PASS

Mode 4: Antenna 3+ Module 2

Remark: The maximum antenna gain is 13.8dBi- cable loss 2.18dB- lightning arrester insertion loss 0.4dB = 11.22dBi; since this mode is fixed, point-to-point operation, the reduction due to antenna gain is 1.74dB, so the limit is $30-1.74=28.26dBm=0.670W$.

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	22.88	0.19409	0.670	PASS
Mid	2437	22.19	0.16558		PASS
High	2462	22.25	0.16788		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	19.15	0.08222	0.670	PASS
Mid	2437	19.35	0.08610		PASS
High	2462	16.78	0.04764		PASS

**Mode 5: Antenna 4+ Module 1**

Remark: The maximum antenna gain is 3.0dBi- cable loss 0.42dB= 2.58dBi; therefore there is no reduction due to antenna gain.

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	24.88	0.30761	1	PASS
Mid	2437	25.20	0.33113		PASS
High	2462	24.86	0.30620		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	23.22	0.20989	1	PASS
Mid	2437	24.65	0.29174		PASS
High	2462	21.72	0.14859		PASS

Mode 6: Antenna 4+ Module 2

*Remark: The maximum antenna gain is 3.0dBi- cable loss 0.75dB= 2.25dBi. (For b/g mode)
The maximum antenna gain is 4.0dBi- cable loss 1.26dB= 2.74dBi. (For a mode)
Therefore there is no reduction due to antenna gain.*

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	25.31	0.33963	1	PASS
Mid	2437	25.18	0.32961		PASS
High	2462	24.80	0.30200		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	22.86	0.19320	1	PASS
Mid	2437	22.78	0.18967		PASS
High	2462	20.82	0.12078		PASS

Test mode: IEEE 802.11a mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	5745	20.67	0.11668	1	PASS
Mid	5785	20.39	0.10940		PASS
High	5825	20.10	0.10233		PASS

**Mode 7: Antenna 5+ Module 1**

Remark: The maximum antenna gain is 6.9dBi- cable loss 0.42dB= 6.48dBi; therefore the reduction due to antenna gain is 0.48dB, so the limit is $30-0.48=29.52\text{dBm}=0.895\text{W}$.

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	25.05	0.31989	0.895	PASS
Mid	2437	25.13	0.32584		PASS
High	2462	24.92	0.31046		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	21.63	0.14555	0.895	PASS
Mid	2437	22.58	0.18113		PASS
High	2462	20.72	0.11803		PASS

Mode 8: Antenna 5+ Module 2

Remark: The maximum antenna gain is 6.9dBi- cable loss 0.75dB= 6.15dBi. (For b/g mode); therefore the reduction due to antenna gain is 0.15dB, so the limit is $30-0.15=29.85\text{dBm}=0.966\text{W}$.

The maximum antenna gain is 7.7dBi- cable loss 1.26dB= 6.44dBi. (For a mode); therefore the reduction due to antenna gain is 0.44dB, so the limit is $30-0.44=29.56\text{dBm}=0.904\text{W}$.

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	24.94	0.31189	0.966	PASS
Mid	2437	24.17	0.26122		PASS
High	2462	24.21	0.26363		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	20.93	0.12388	0.966	PASS
Mid	2437	22.12	0.16293		PASS
High	2462	19.91	0.09795		PASS

Test mode: IEEE 802.11a mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	5745	20.42	0.11015	0.904	PASS
Mid	5785	20.34	0.10814		PASS
High	5825	20.05	0.10116		PASS

**Mode 9: Antenna 6+ Module 2**

Remark: The maximum antenna gain is 6.3dBi- cable loss 1.26dB= 5.04dBi; therefore there is no reduction due to antenna gain.

Test mode: IEEE 802.11a mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	5745	20.48	0.11169	1	PASS
Mid	5785	19.97	0.09931		PASS
High	5825	20.42	0.02972		PASS

Mode 10: Antenna 7+ Module 2

Remark: The maximum antenna gain is 13.3dBi- cable loss 1.26dB= 12.04dBi; therefore the reduction due to antenna gain is 6.04dB, so the limit is 30-6.04=23.96dBm=0.249W.

Test mode: IEEE 802.11a mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	5745	20.49	0.11194	0.249	PASS
Mid	5785	20.45	0.11092		PASS
High	5825	19.86	0.09683		PASS

Mode 11: Antenna 9+ Module 1

Remark: The maximum antenna gain is 5.92dBi; therefore there is no reduction due to antenna gain.

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	21.17	0.13092	1	PASS
Mid	2437	20.78	0.11967		PASS
High	2462	20.70	0.11749		PASS

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	20.89	0.12274	1	PASS
Mid	2437	21.50	0.14125		PASS
High	2462	19.79	0.09528		PASS

Mode 12: Antenna 11+ Module 2

Remark: The maximum antenna gain is 5.95dBi; therefore there is no reduction due to antenna gain.

Test mode: IEEE 802.11a mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	5745	20.27	0.10641	1	PASS
Mid	5785	20.23	0.10544		PASS
High	5825	20.87	0.12218		PASS



Test Plot

Mode 1: Antenna 2+ Module 1

IEEE 802.11b

CH Low

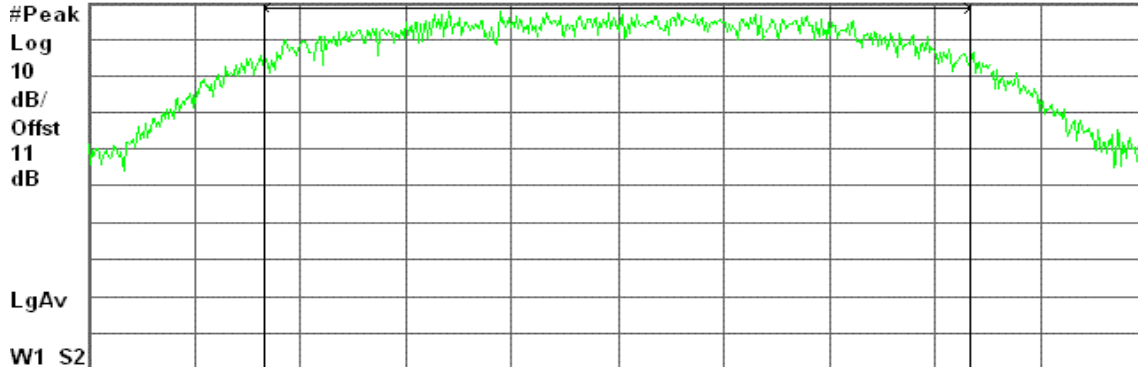
Agilent 17:42:03 Dec 4, 2005

R L

Peak Output Power (DTS), b Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 23.01 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.73 dBm / 15.3420 MHz

-47.12 dBm/Hz

CH Mid

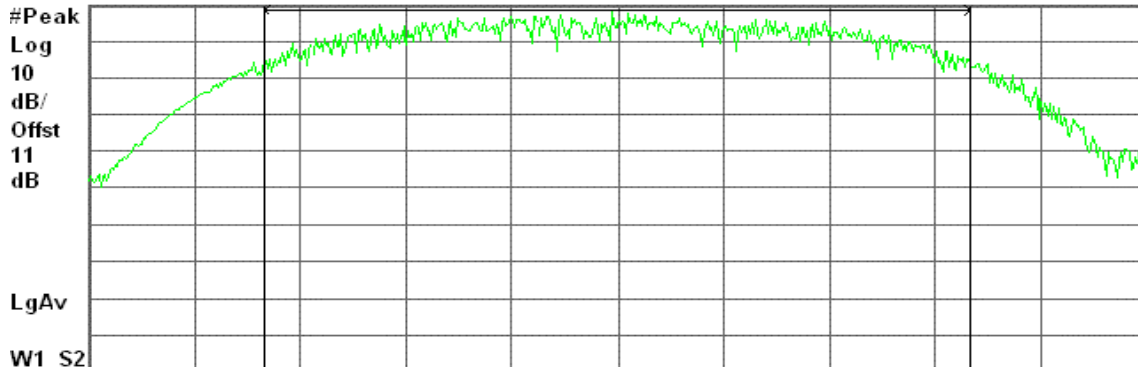
Agilent 17:51:02 Dec 4, 2005

R L

Peak Output Power (DTS), b Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 23.13 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.58 dBm / 15.4180 MHz

-47.30 dBm/Hz



CH High

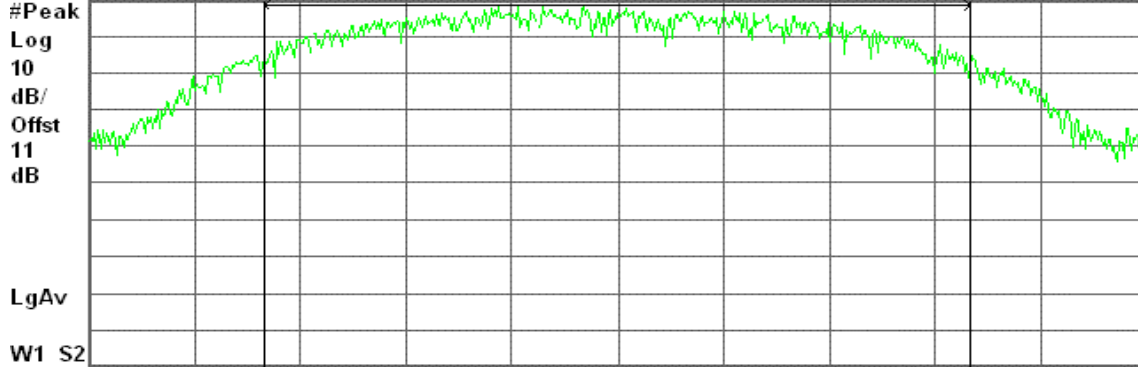
Agilent 18:03:45 Dec 4, 2005

R L

Peak Output Power, b Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 23.04 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

25.05 dBm / 15.3620 MHz

-46.81 dBm/Hz

IEEE 802.11g

CH Low

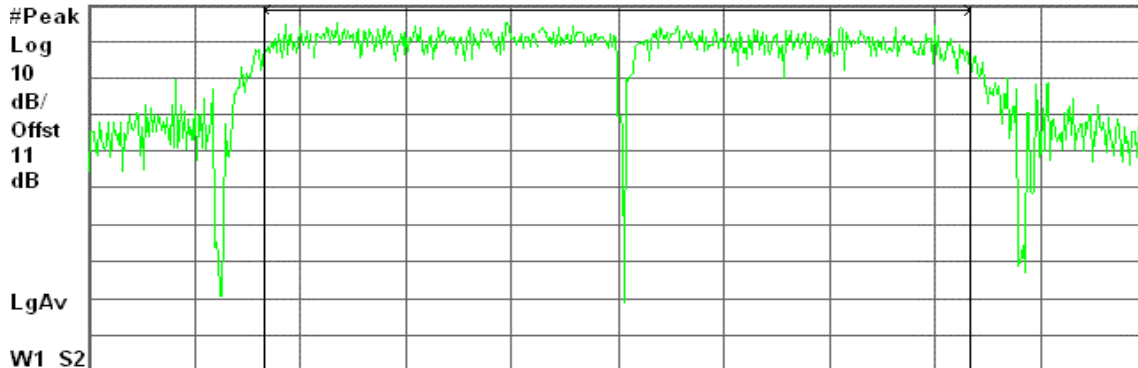
Agilent 20:07:53 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 25.02 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

22.67 dBm / 16.6790 MHz

-49.55 dBm/Hz



CH Mid

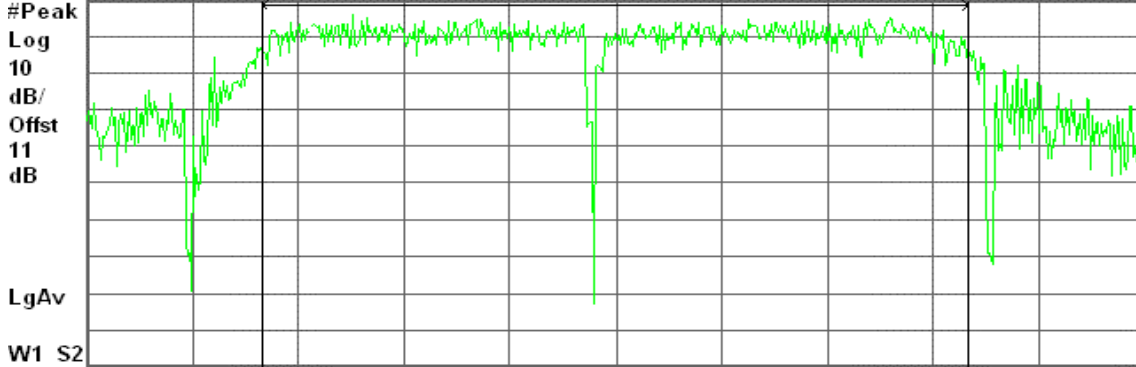
Agilent 20:19:39 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



W1 S2
Center 2.437 00 GHz

Span 25.06 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

23.16 dBm / 16.7060 MHz

-49.07 dBm/Hz

CH High

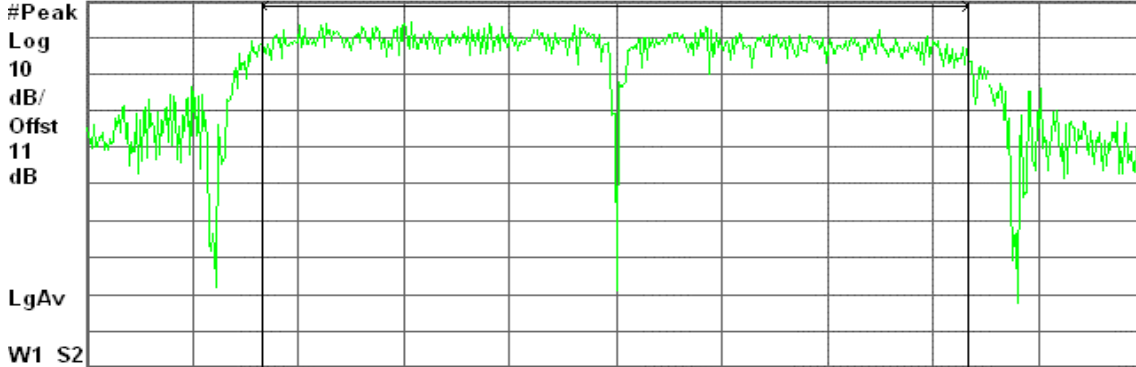
Agilent 20:27:37 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode High Ch.

Ref 20 dBm

Atten 20 dB



W1 S2
Center 2.462 00 GHz

Span 24.98 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

21.25 dBm / 16.6530 MHz

-50.97 dBm/Hz



Mode 2: Antenna 2+ Module 2

IEEE 802.11b

CH Low

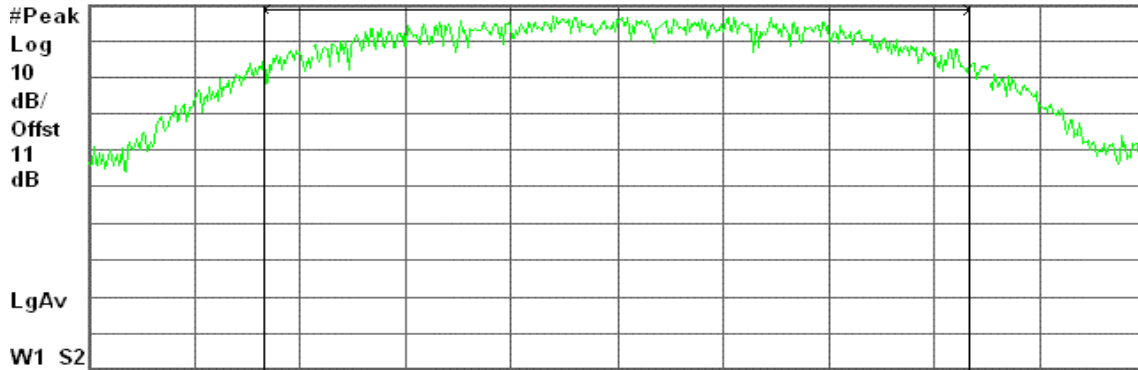
Agilent 22:38:00 Nov 29, 2005

R L

Peak Output Power (DTS), b Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 23.08 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.16 dBm / 15.3840 MHz

-47.71 dBm/Hz

CH Mid

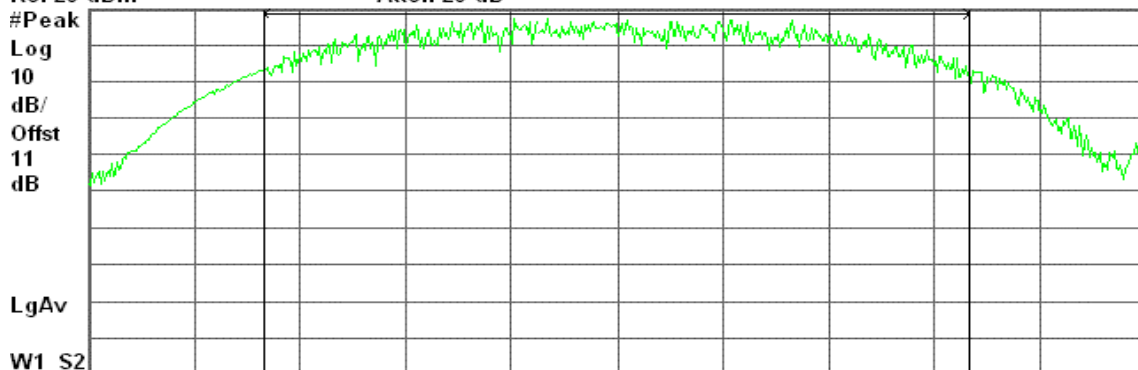
Agilent 22:29:16 Nov 29, 2005

R L

Peak Output Power, b Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 23.11 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.32 dBm / 15.4060 MHz

-47.56 dBm/Hz



CH High

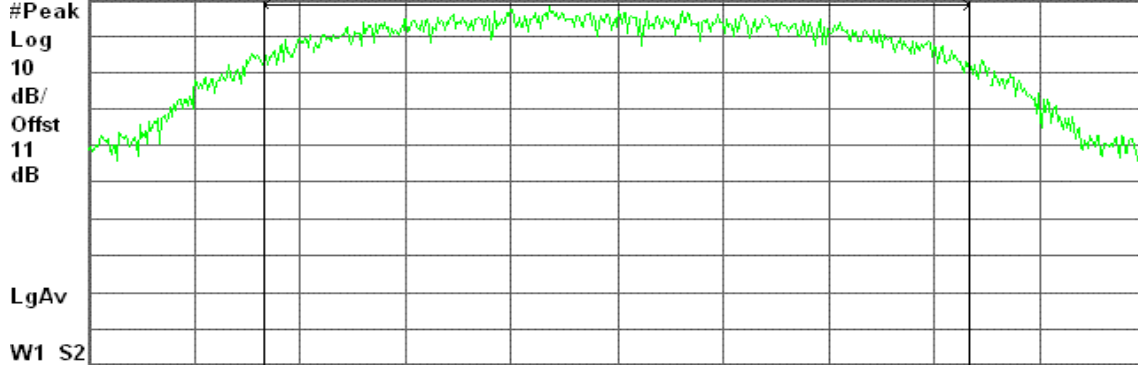
Agilent 22:31:31 Nov 29, 2005

R L

Peak Output Power (DTS), b Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 23.11 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.50 dBm / 15.4090 MHz

-47.38 dBm/Hz

IEEE 802.11g

CH Low

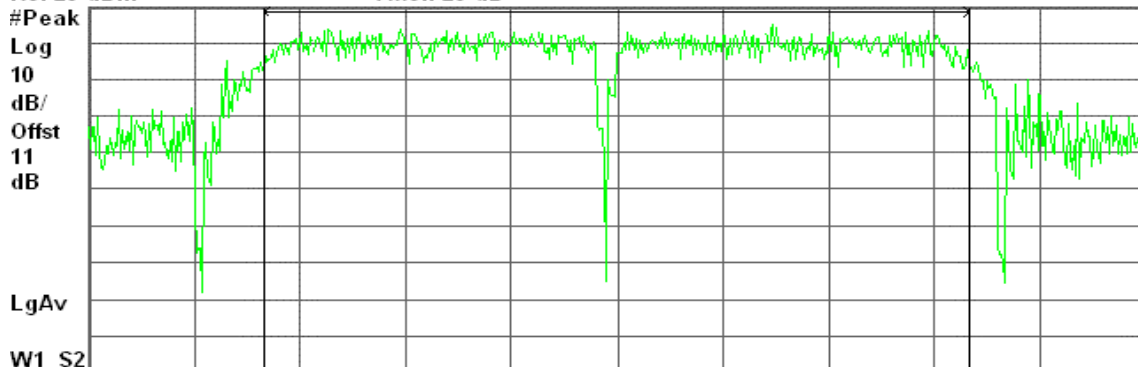
Agilent 22:48:36 Nov 29, 2005

R L

Peak Output Power (DTS), g Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 25.15 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

22.07 dBm / 16.7690 MHz

-50.18 dBm/Hz



CH Mid

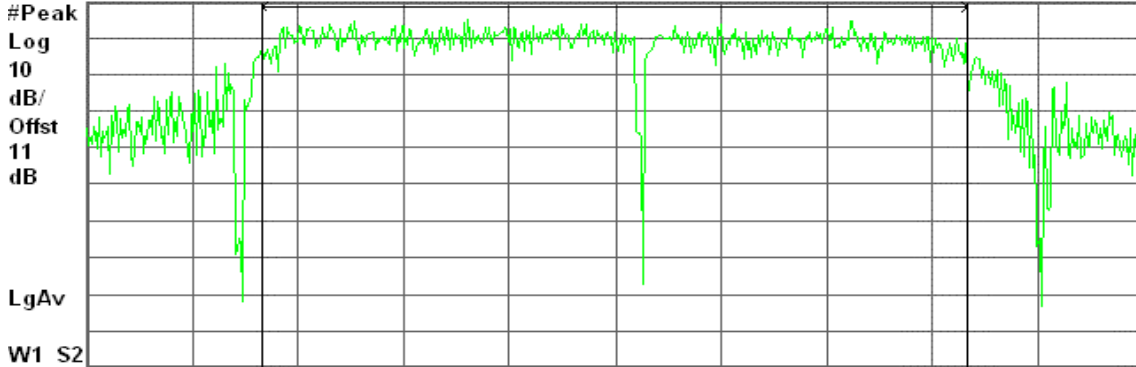
Agilent 22:56:13 Nov 29, 2005

R L

Peak Output Power, g Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 25.02 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

22.25 dBm / 16.6800 MHz

-49.98 dBm/Hz

CH High

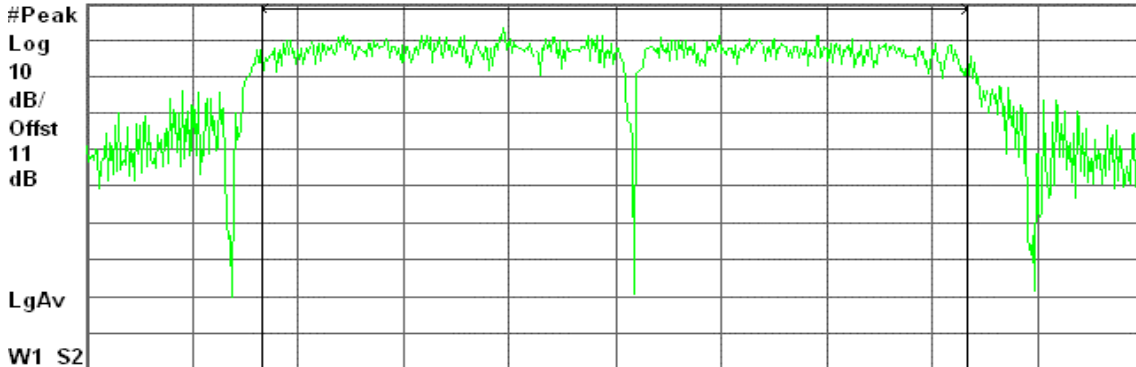
Agilent 13:35:30 Nov 30, 2005

R L

Peak Output Power, g Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 24.89 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

19.61 dBm / 16.5960 MHz

-52.59 dBm/Hz



Mode 3: Antenna 3+ Module 1

IEEE 802.11b

CH Low

Agilent 18:22:24 Dec 4, 2005

R L

Peak Output Power (DTS), b Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 23 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

23.44 dBm / 15.3350 MHz

-48.41 dBm/Hz

CH Mid

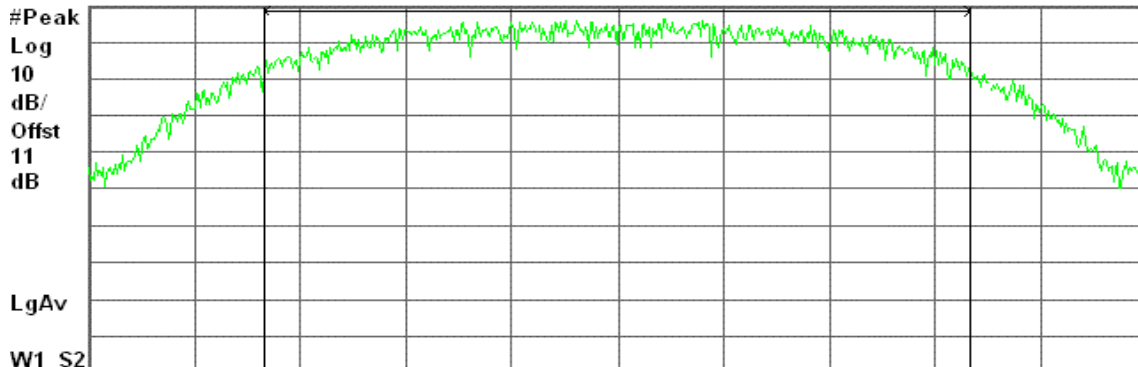
Agilent 18:29:24 Dec 4, 2005

R L

Peak Output Power, b Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 23.07 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

23.61 dBm / 15.3810 MHz

-48.26 dBm/Hz



CH High

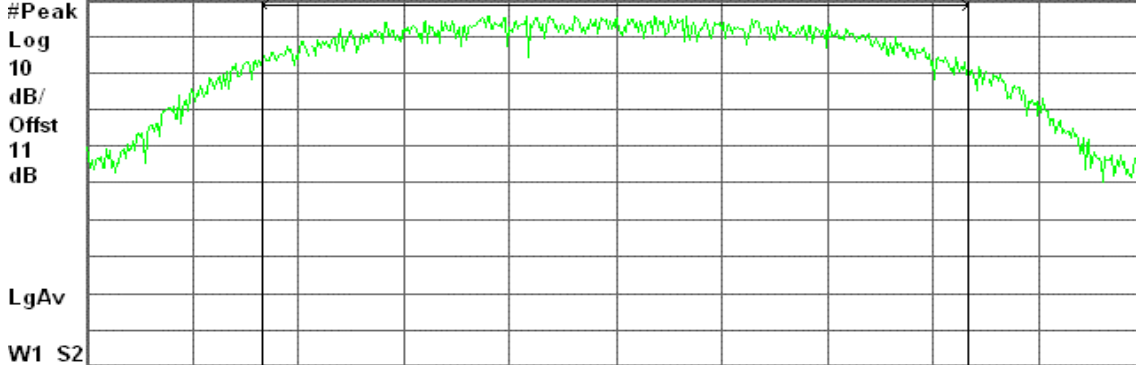
Agilent 18:36:53 Dec 4, 2005

R L

Peak Output Power, b Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 23.06 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

23.25 dBm / 15.3740 MHz

-48.62 dBm/Hz

IEEE 802.11g

CH Low

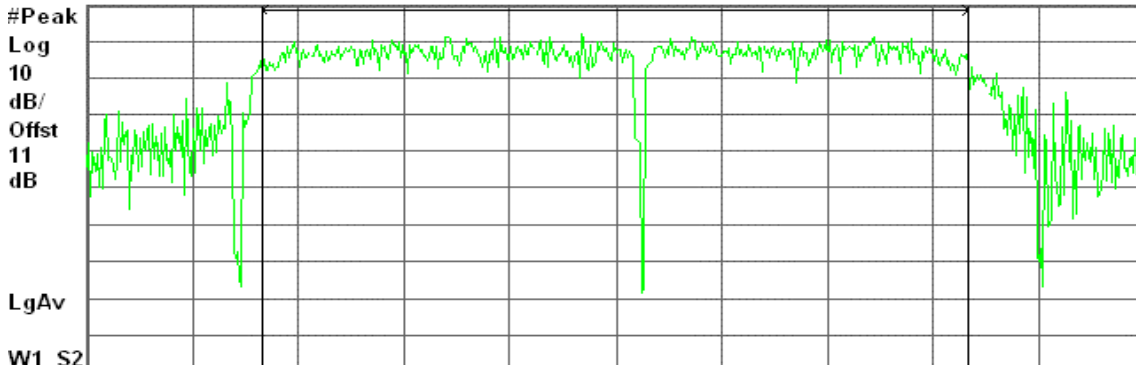
Agilent 20:41:06 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 24.95 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

19.40 dBm / 16.6330 MHz

-52.81 dBm/Hz



CH Mid

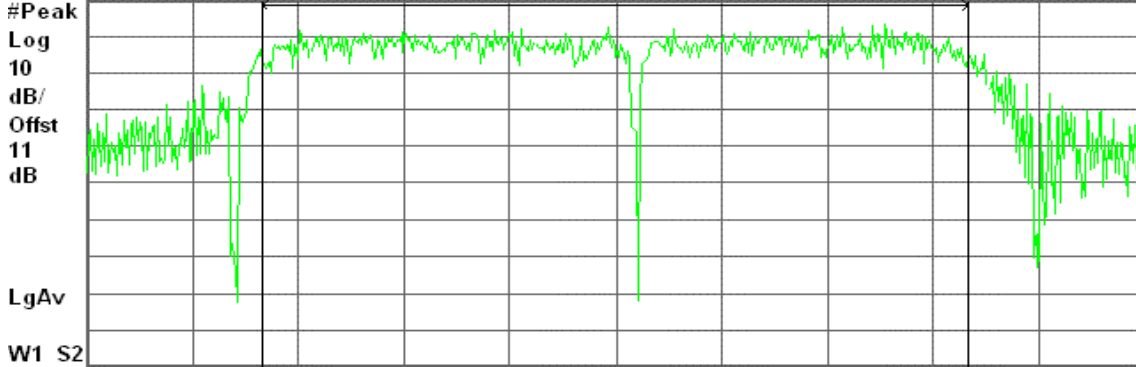
Agilent 20:48:23 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 24.91 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.12 dBm / 16.6050 MHz

-52.08 dBm/Hz

CH High

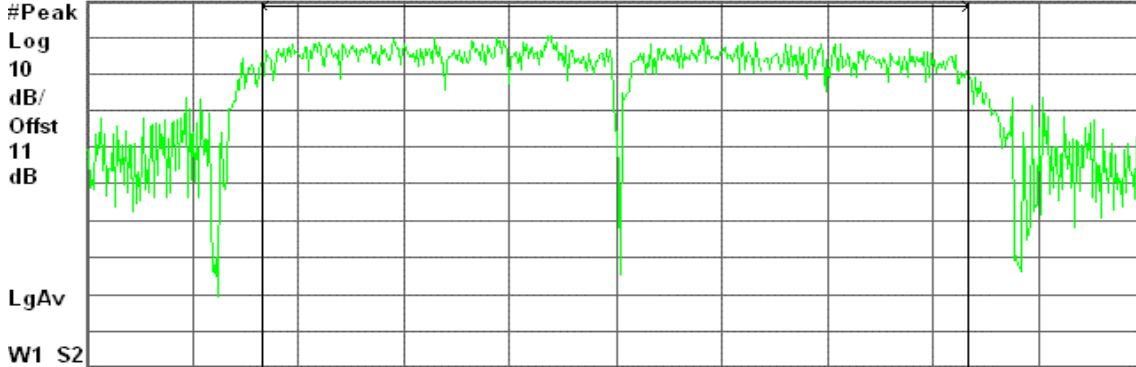
Agilent 20:54:21 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 24.83 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

17.28 dBm / 16.5560 MHz

-54.91 dBm/Hz



Mode 4: Antenna 3+ Module 2

IEEE 802.11b

CH Low

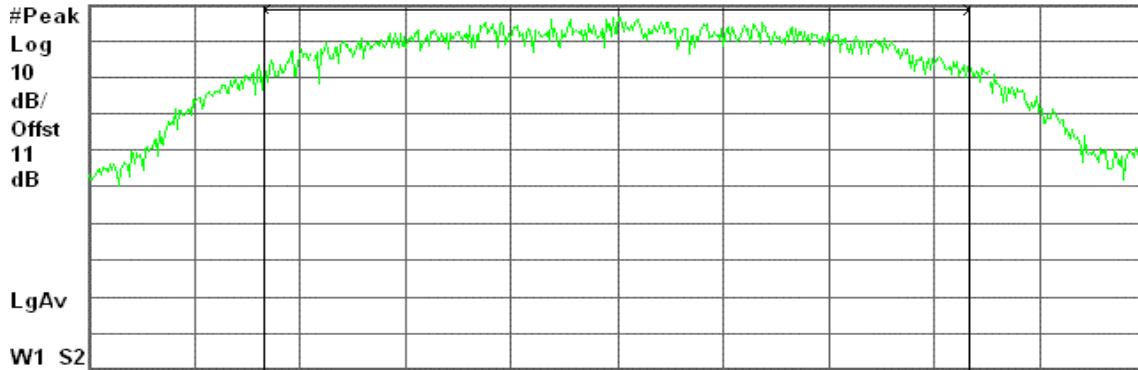
Agilent 14:12:39 Nov 30, 2005

R L

Peak Output Power (DTS), b Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 23.22 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

22.88 dBm / 15.4820 MHz

-49.02 dBm/Hz

CH Mid

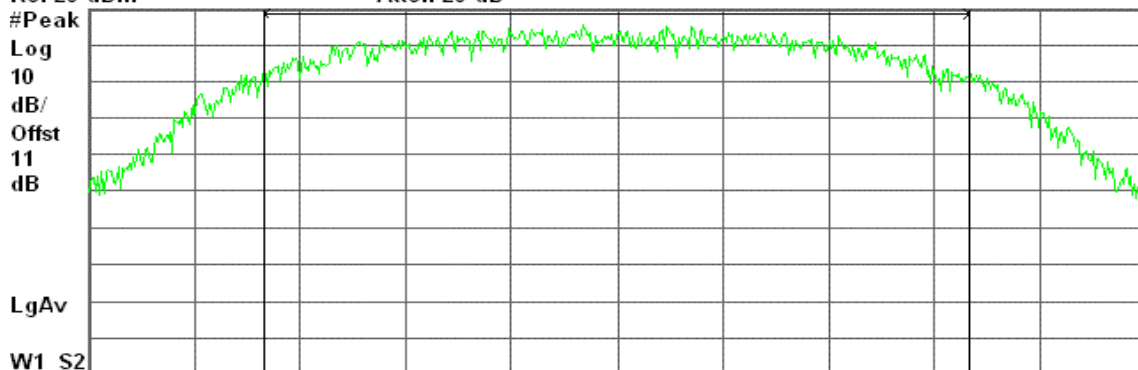
Agilent 14:07:17 Nov 30, 2005

R L

Peak Output Power (DTS), b Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 23.09 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

22.19 dBm / 15.3900 MHz

-49.68 dBm/Hz



CH High

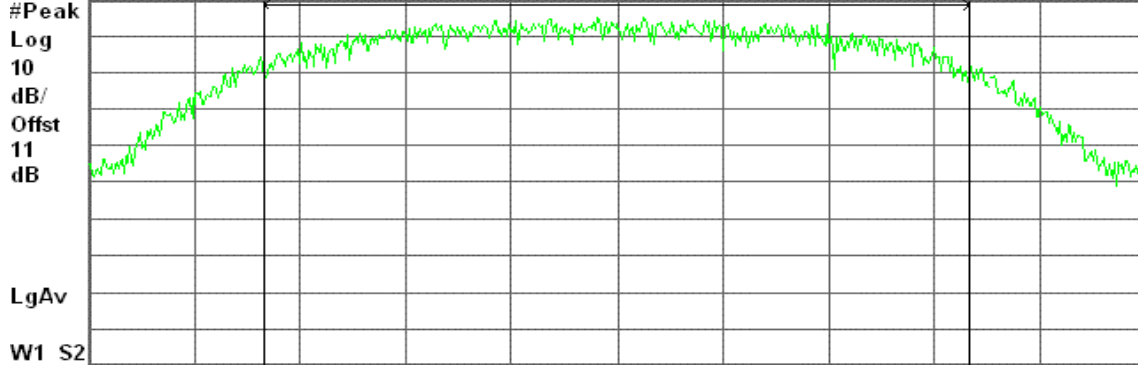
Agilent 13:49:40 Nov 30, 2005

R L

Peak Output Power, b Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 23.07 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

22.25 dBm / 15.3780 MHz

-49.62 dBm/Hz

IEEE 802.11g

CH Low

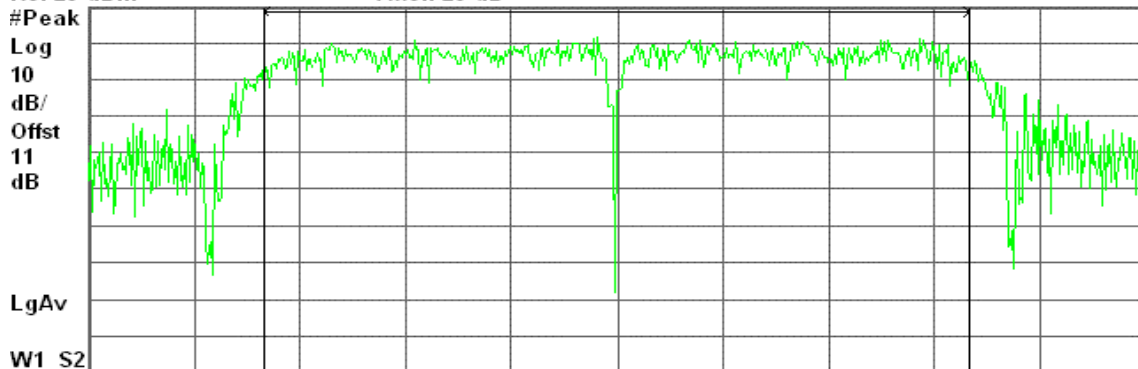
Agilent 16:47:36 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 24.89 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

19.15 dBm / 16.5910 MHz

-53.05 dBm/Hz



CH Mid

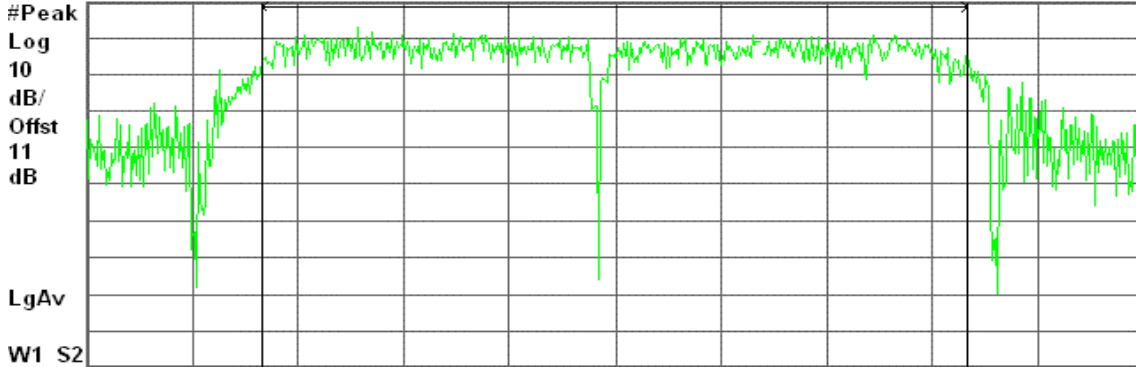
Agilent 16:53:05 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 24.92 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

19.35 dBm / 16.6120 MHz

-52.86 dBm/Hz

CH High

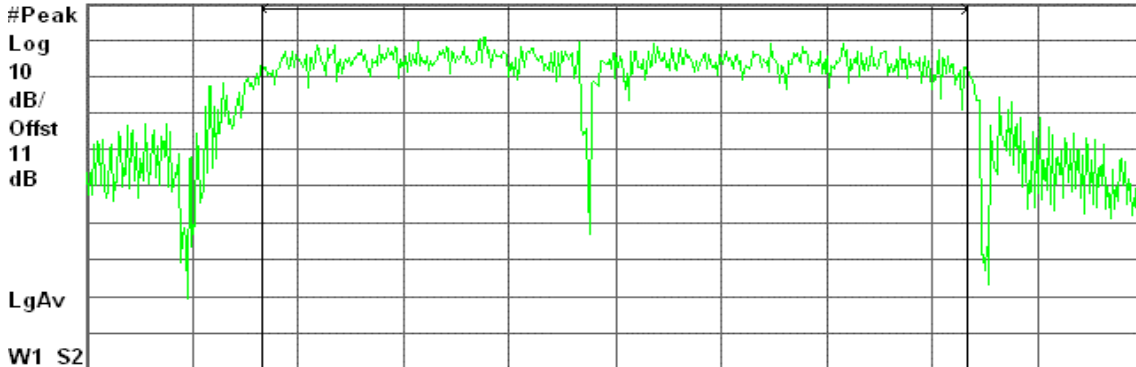
Agilent 17:45:39 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 24.95 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

16.78 dBm / 16.6300 MHz

-55.42 dBm/Hz



Mode 5: Antenna 4+ Module 1

IEEE 802.11b

CH Low

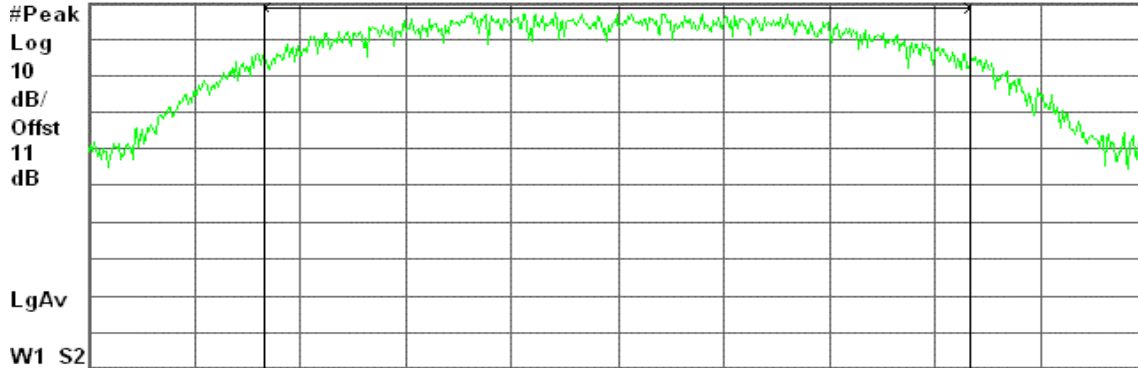
Agilent 19:02:46 Dec 4, 2005

R L

Peak Output Power (DTS), b Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 22.93 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.88 dBm / 15.2900 MHz

-46.96 dBm/Hz

CH Mid

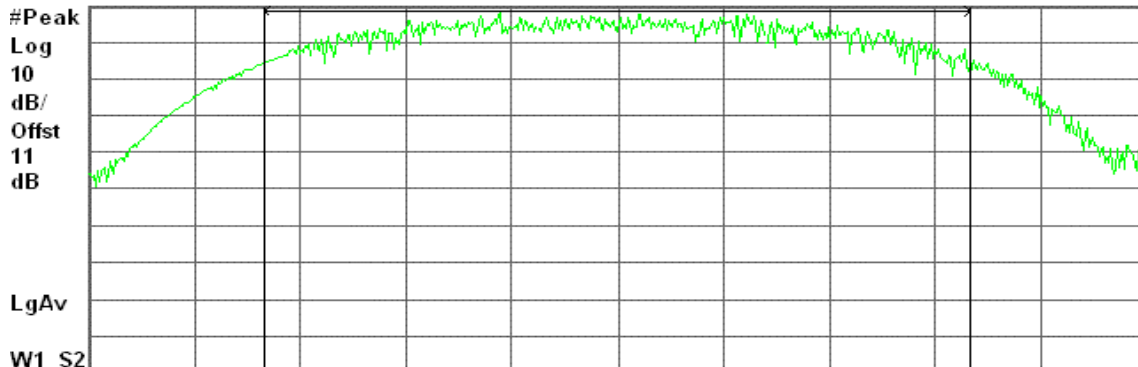
Agilent 19:10:39 Dec 4, 2005

R L

Peak Output Power (DTS), b Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 23.08 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

25.20 dBm / 15.3890 MHz

-46.67 dBm/Hz



CH High

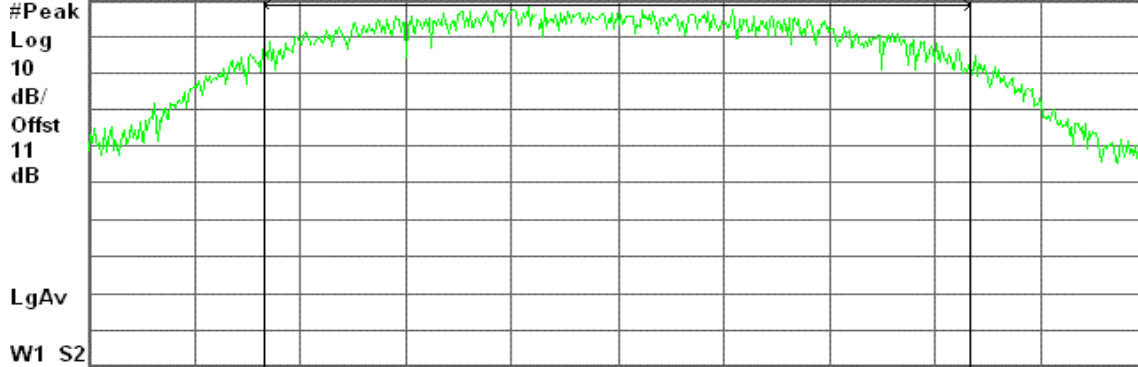
Agilent 19:18:02 Dec 4, 2005

R L

Peak Output Power (DTS), b Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 23.1 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.86 dBm / 15.4030 MHz

-47.02 dBm/Hz

IEEE 802.11g

CH Low

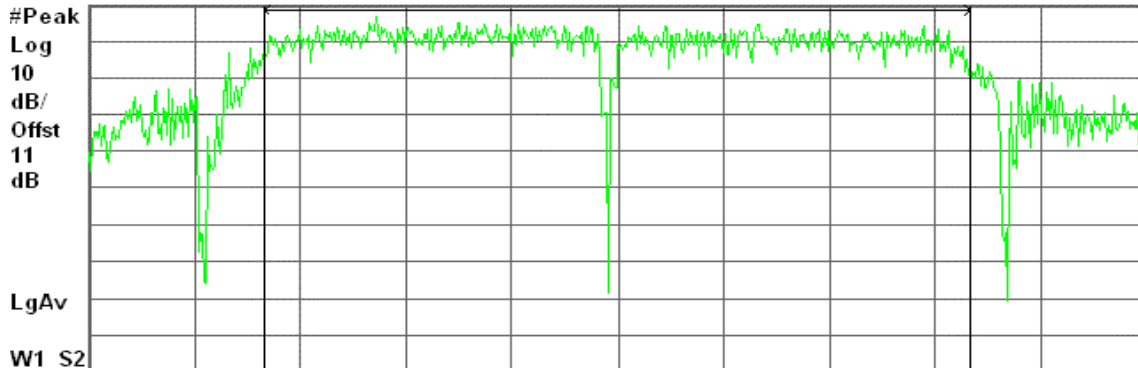
Agilent 21:21:51 Dec 4, 2005

R L

Peak Output Power, g Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 25.35 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

23.22 dBm / 16.8990 MHz

-49.06 dBm/Hz



CH Mid

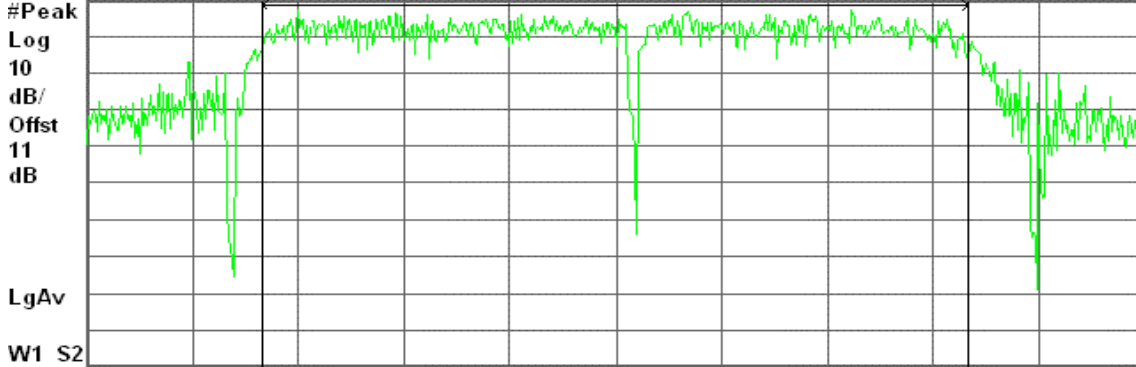
Agilent 21:13:40 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 25.13 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.65 dBm / 16.7540 MHz

-47.59 dBm/Hz

CH High

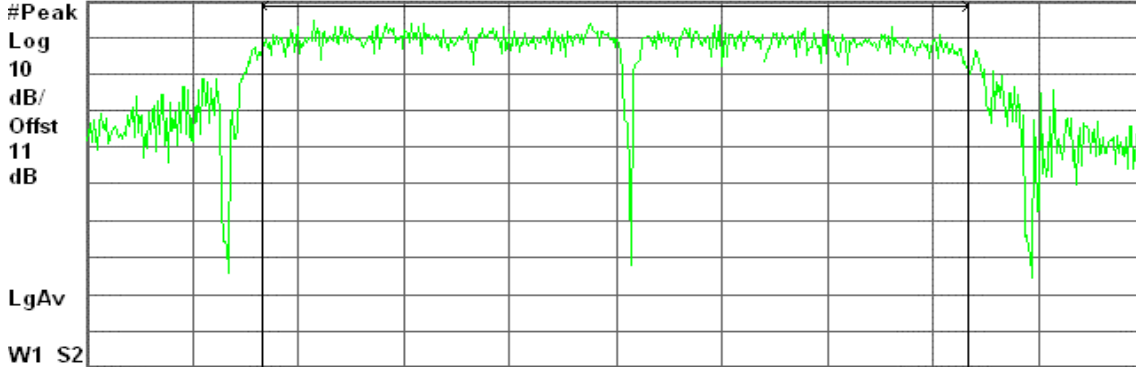
Agilent 21:01:03 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 25.03 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

21.72 dBm / 16.6870 MHz

-50.50 dBm/Hz



Mode 6: Antenna 4+ Module 2

IEEE 802.11b

CH Low

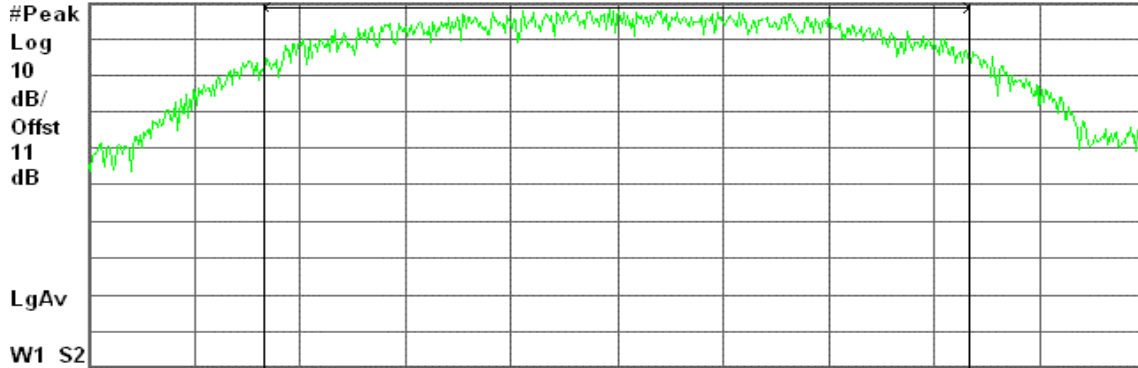
Agilent 19:51:15 Nov 30, 2005

R L

Peak Output Power (DTS), b Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 22.93 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

25.31 dBm / 15.2860 MHz

-46.54 dBm/Hz

CH Mid

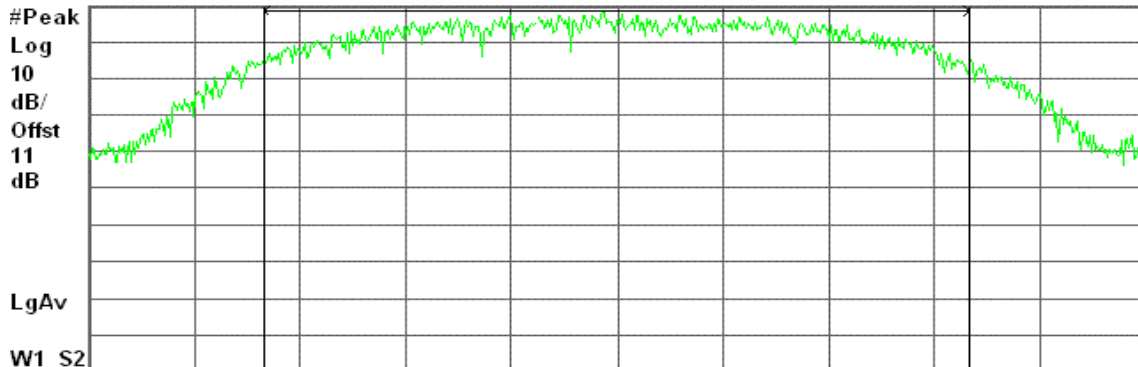
Agilent 20:07:59 Nov 30, 2005

R L

Peak Output Power (DTS), b Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 23.15 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

25.18 dBm / 15.4350 MHz

-46.71 dBm/Hz



CH High

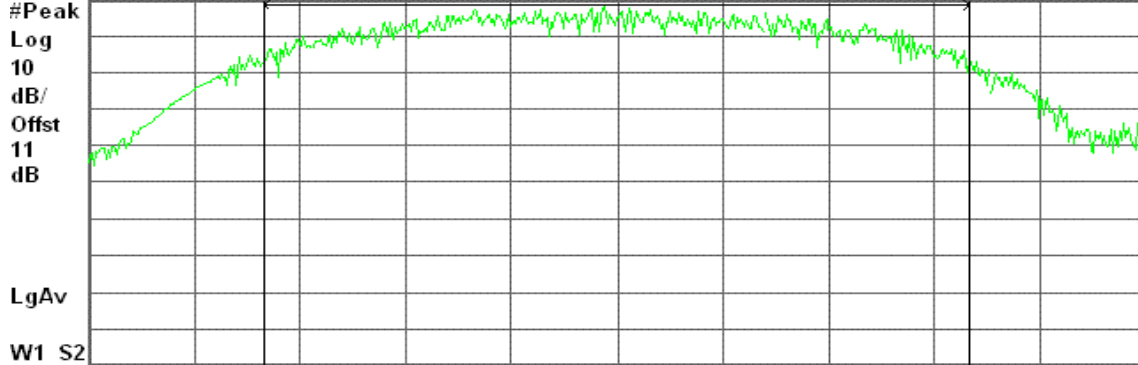
Agilent 20:24:00 Nov 30, 2005

R L

Peak Output Power, b Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 23.41 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.80 dBm / 15.6100 MHz

-47.13 dBm/Hz

IEEE 802.11g

CH Low

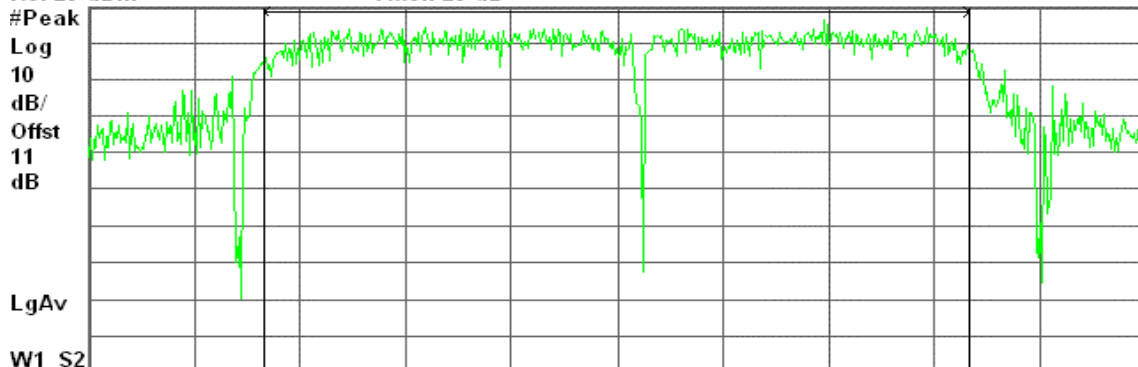
Agilent 20:53:40 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 25.16 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

22.86 dBm / 16.7720 MHz

-49.38 dBm/Hz



CH Mid

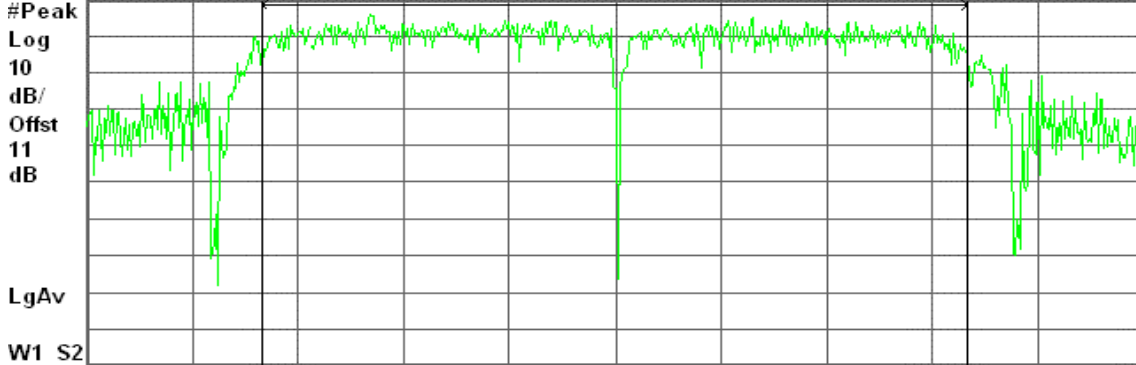
Agilent 20:42:45 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 25.05 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

22.78 dBm / 16.6990 MHz

-49.45 dBm/Hz

CH High

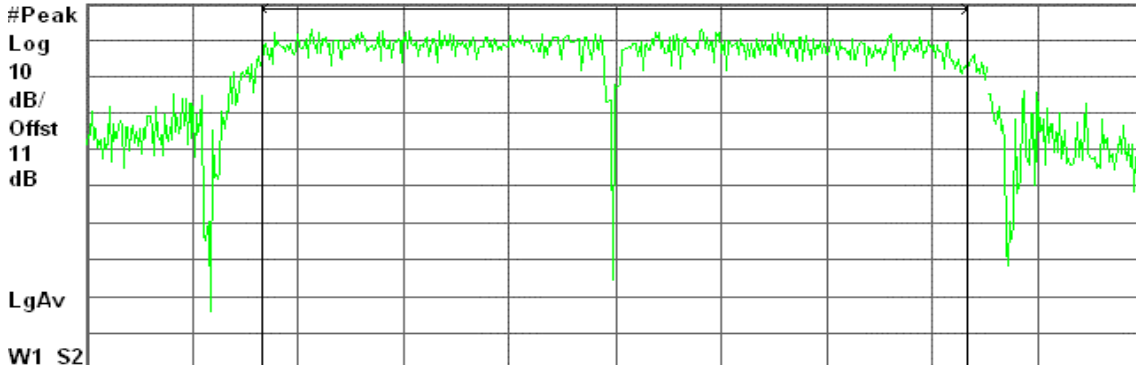
Agilent 20:34:28 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 25.04 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.82 dBm / 16.6950 MHz

-51.41 dBm/Hz



IEEE 802.11a

CH Low

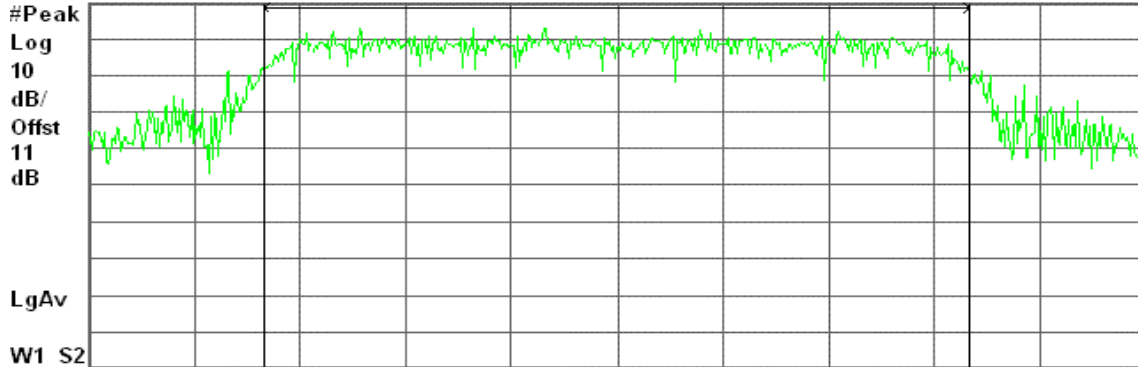
Agilent 22:49:08 Nov 30, 2005

R L

Peak Output Power (DTS), a Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 5.745 00 GHz

Span 25.73 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.67 dBm / 17.1520 MHz

-51.67 dBm/Hz

CH Mid

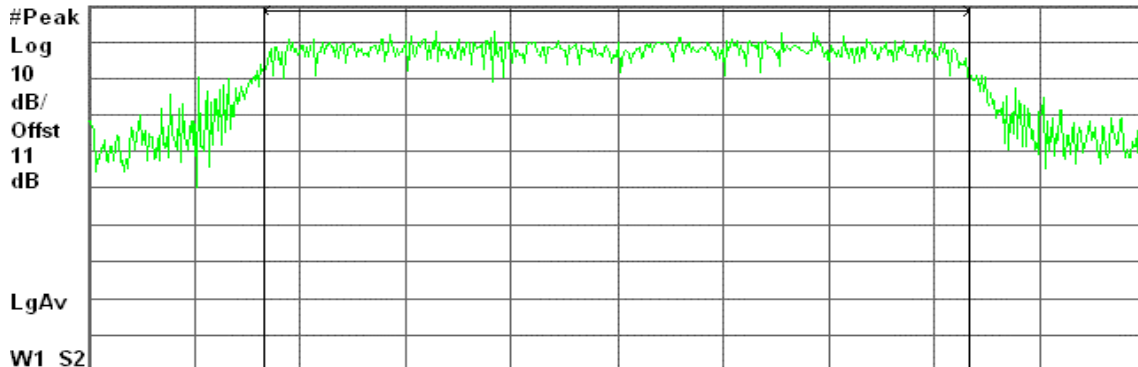
Agilent 22:54:32 Nov 30, 2005

R L

Peak Output Power (DTS), a Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 5.785 00 GHz

Span 25.33 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.39 dBm / 16.8870 MHz

-51.89 dBm/Hz



CH High

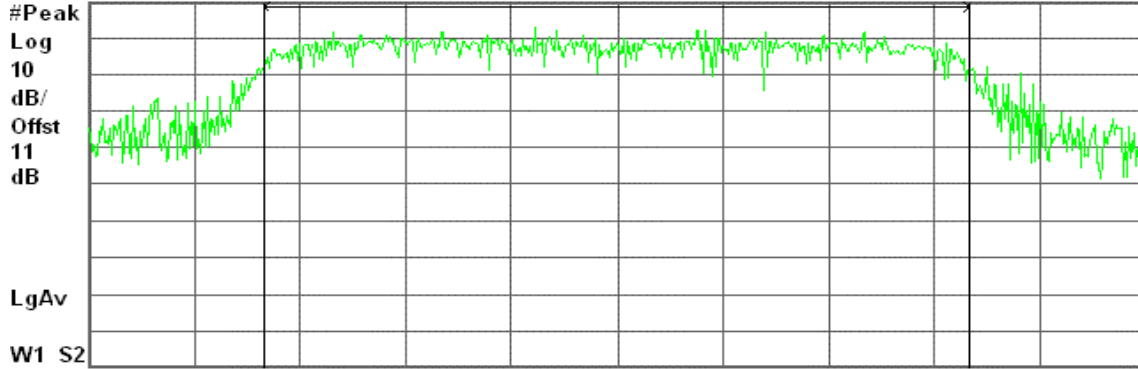
Agilent 23:00:43 Nov 30, 2005

R L

Peak Output Power (DTS), a Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 5.825 00 GHz

Span 25.56 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.10 dBm / 17.0380 MHz

-52.22 dBm/Hz



Mode 7: Antenna 5+ Module 1

IEEE 802.11b

CH Low

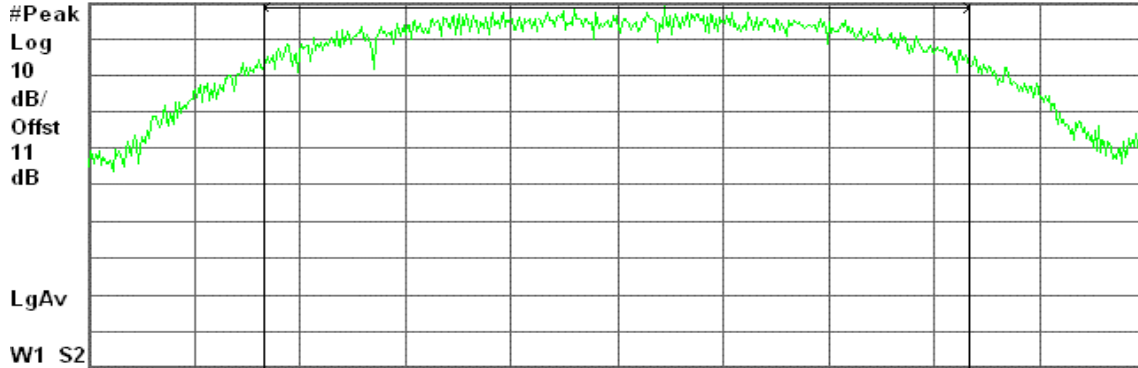
Agilent 19:02:28 Nov 30, 2005

R L

Peak Output Power, b Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 22.88 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

25.05 dBm / 15.2510 MHz

-46.78 dBm/Hz

CH Mid

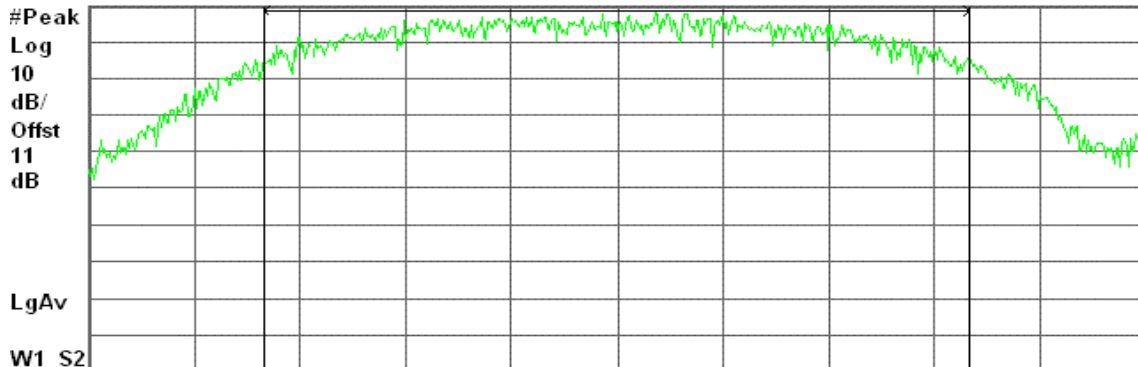
Agilent 19:15:47 Nov 30, 2005

R L

Peak Output Power, b Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 23.22 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

25.13 dBm / 15.4780 MHz

-46.76 dBm/Hz



CH High

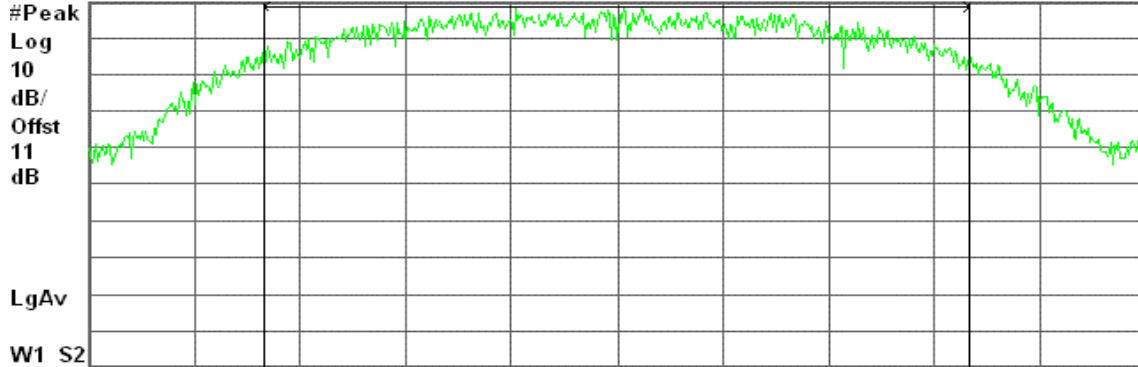
Agilent 19:25:14 Nov 30, 2005

R L

Peak Output Power (DTS), b Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 22.93 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.92 dBm / 15.2870 MHz

-46.93 dBm/Hz

IEEE 802.11g

CH Low

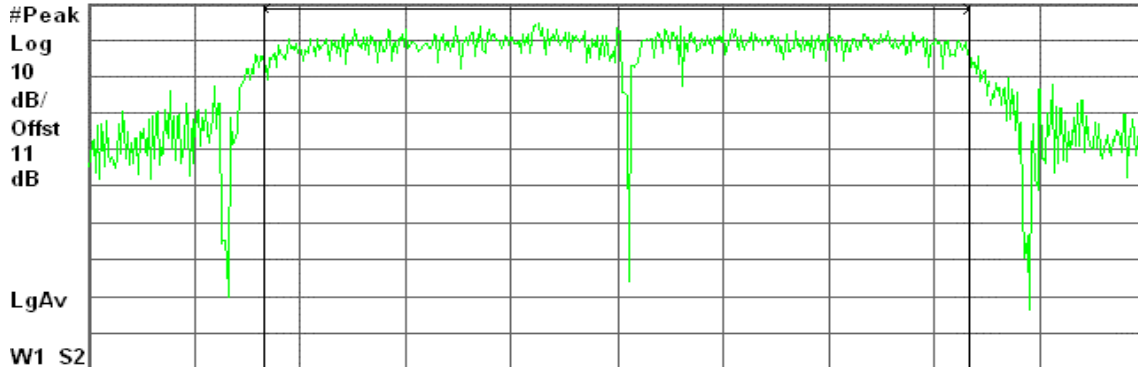
Agilent 18:53:59 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 24.81 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

21.63 dBm / 16.5410 MHz

-50.55 dBm/Hz



CH Mid

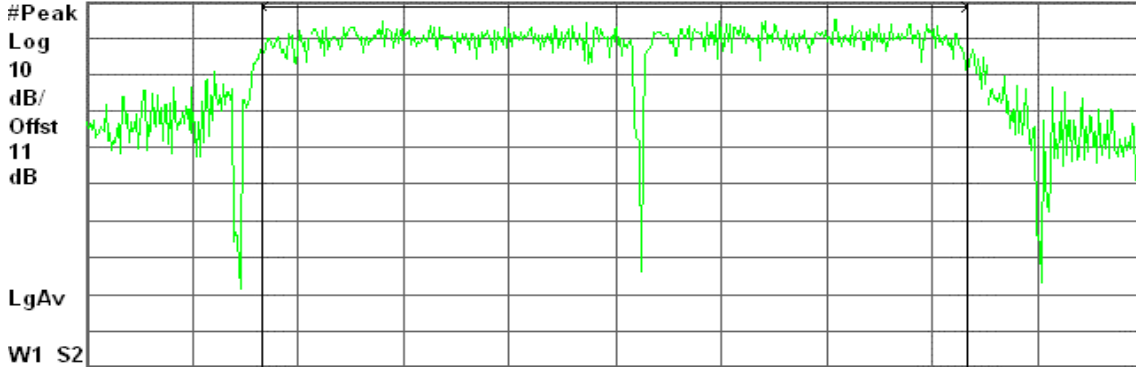
Agilent 18:46:07 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 25.12 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

22.58 dBm / 16.7450 MHz

-49.66 dBm/Hz

CH High

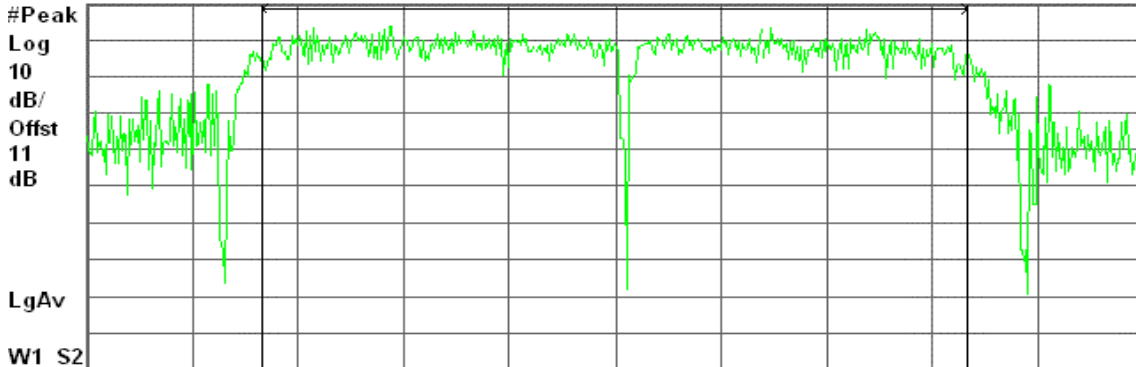
Agilent 18:32:53 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 24.87 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.72 dBm / 16.5800 MHz

-51.47 dBm/Hz



Mode 8: Antenna 5+ Module 2

IEEE 802.11b

CH Low

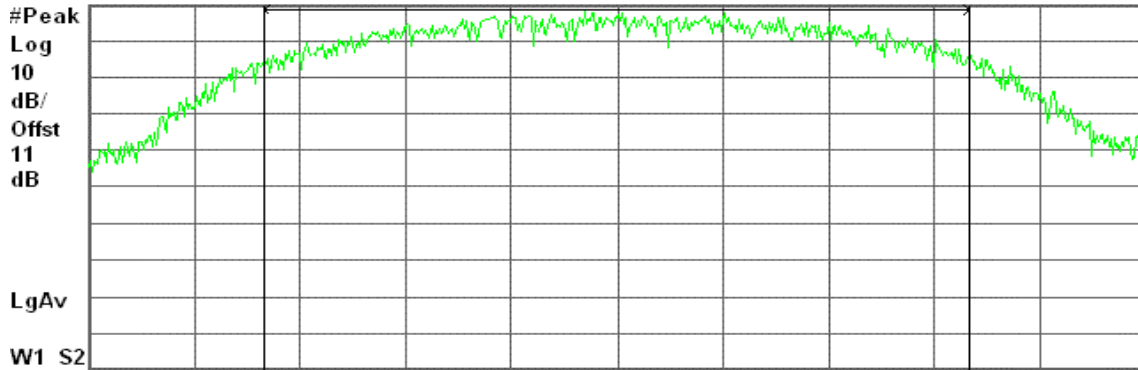
Agilent 21:59:00 Nov 30, 2005

R L

Peak Output Power (DTS), b Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 22.93 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.94 dBm / 15.2850 MHz

-46.90 dBm/Hz

CH Mid

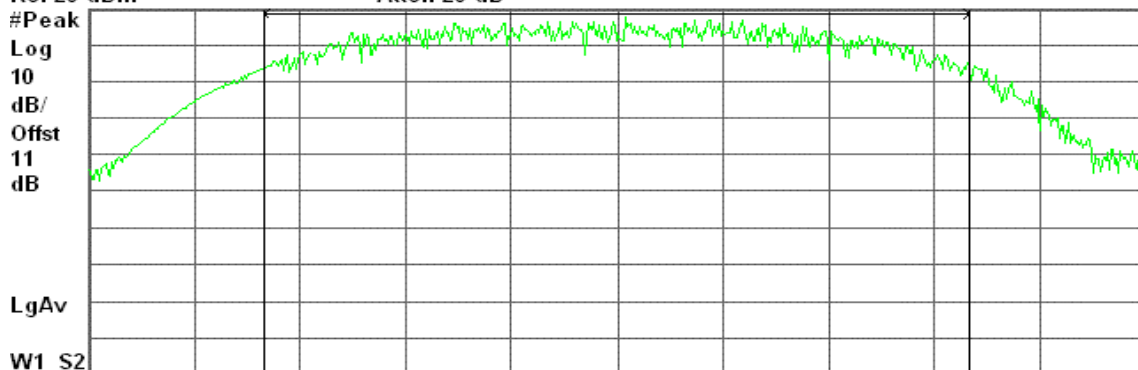
Agilent 22:06:50 Nov 30, 2005

R L

Peak Output Power, b Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 23.16 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.17 dBm / 15.4370 MHz

-47.71 dBm/Hz



CH High

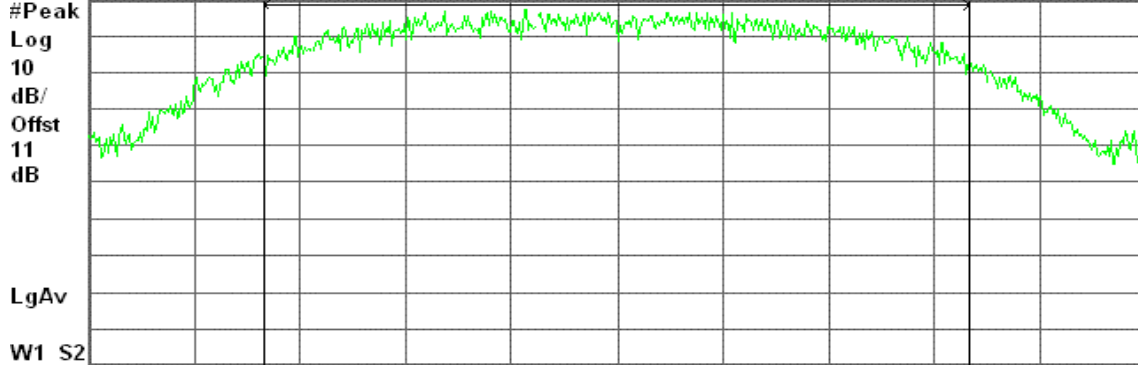
Agilent 22:14:06 Nov 30, 2005

R L

Peak Output Power, b Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 23.31 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

24.21 dBm / 15.5400 MHz

-47.71 dBm/Hz

IEEE 802.11g

CH Low

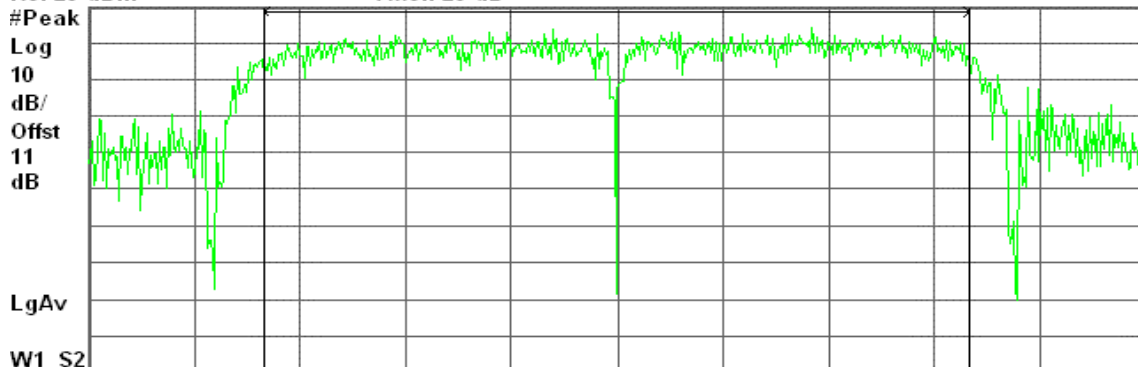
Agilent 22:38:12 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 24.93 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.93 dBm / 16.6220 MHz

-51.28 dBm/Hz



CH Mid

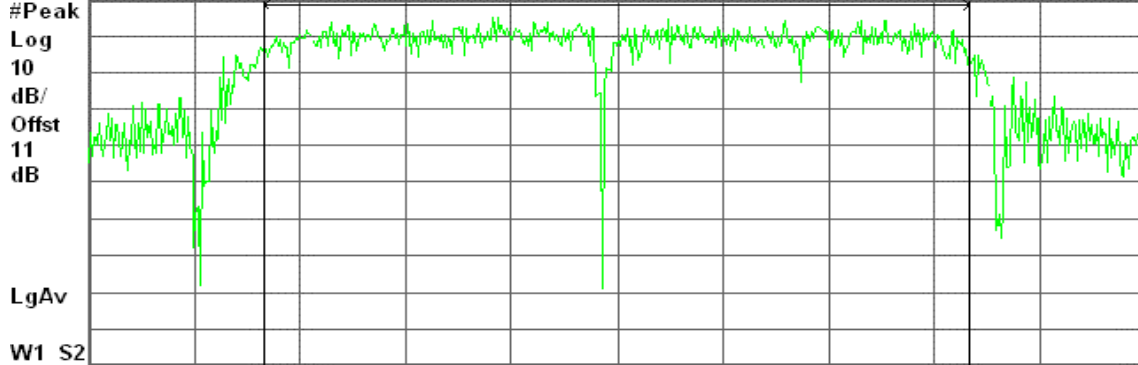
Agilent 22:29:39 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 24.99 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

22.12 dBm / 16.6580 MHz

-50.09 dBm/Hz

CH High

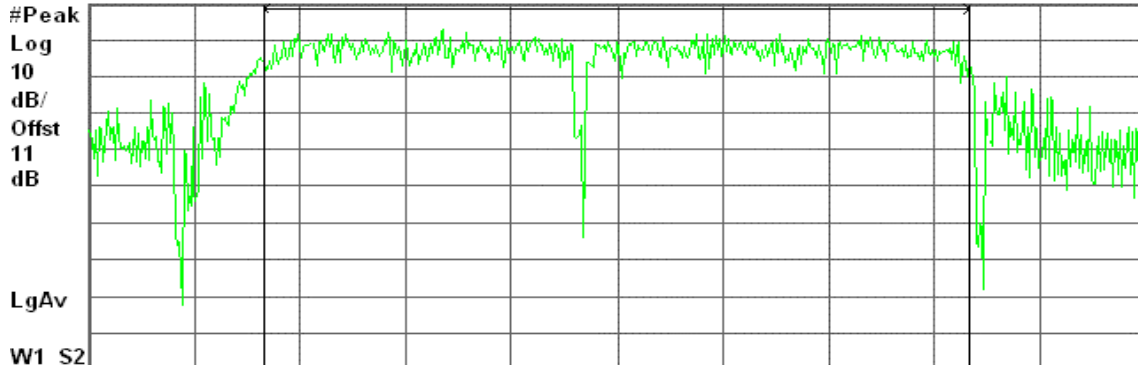
Agilent 22:23:42 Nov 30, 2005

R L

Peak Output Power (DTS), g Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 25.03 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

19.91 dBm / 16.6860 MHz

-52.32 dBm/Hz



IEEE 802.11a

CH Low

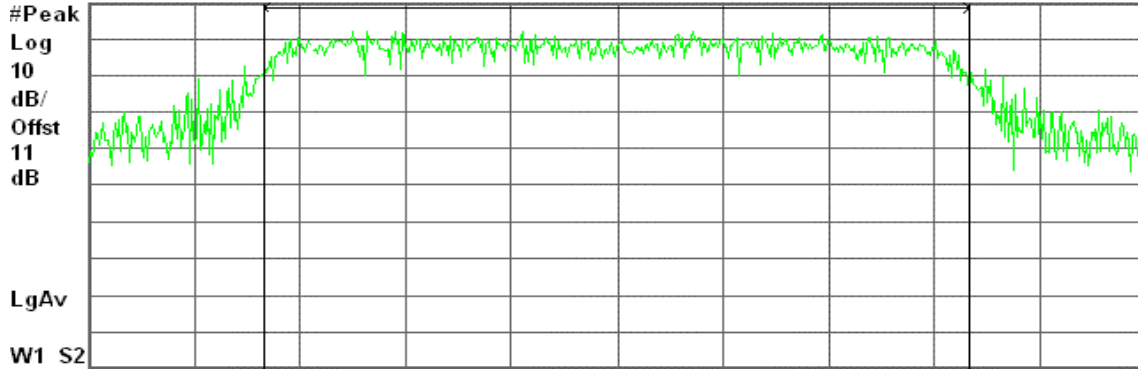
Agilent 23:23:25 Nov 30, 2005

R L

Peak Output Power, a Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 5.745 00 GHz

Span 25.76 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.42 dBm / 17.1730 MHz

-51.92 dBm/Hz

CH Mid

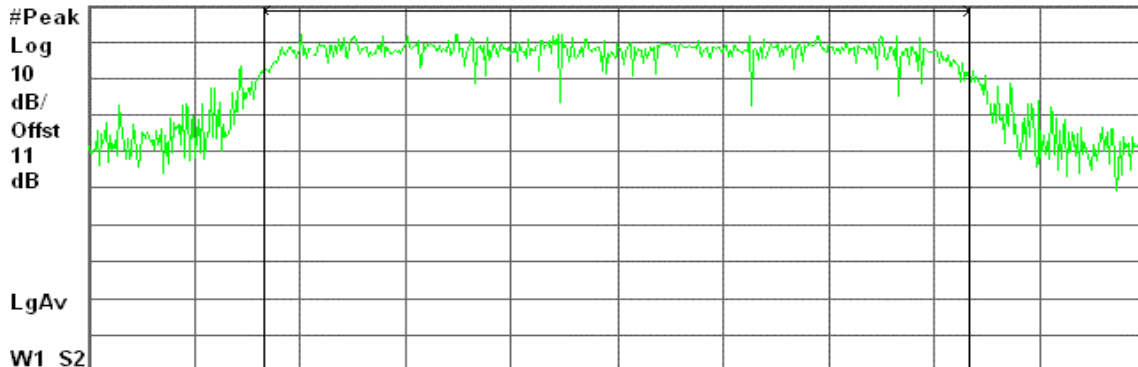
Agilent 23:17:02 Nov 30, 2005

R L

Peak Output Power, a Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 5.785 00 GHz

Span 25.45 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.34 dBm / 16.9700 MHz

-51.96 dBm/Hz



CH High

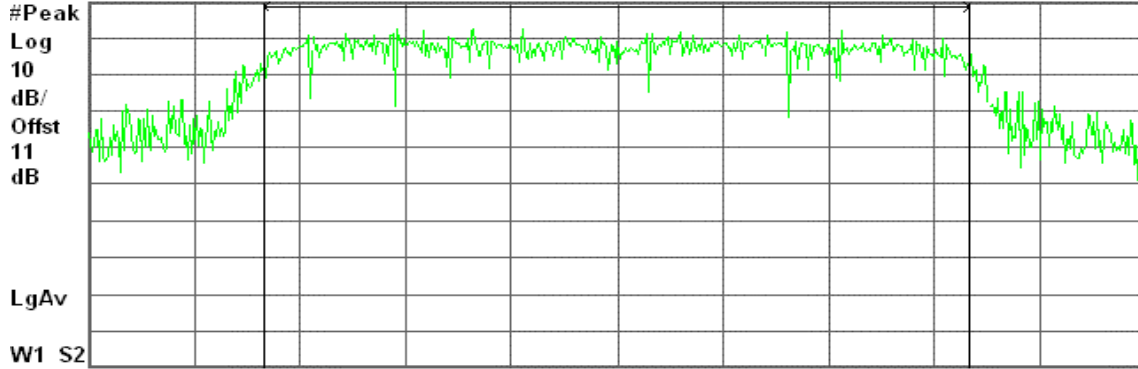
Agilent 23:11:10 Nov 30, 2005

R L

Peak Output Power, a Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 5.825 00 GHz

Span 25.5 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.05 dBm / 16.9970 MHz

-52.26 dBm/Hz



Mode 9: Antenna 6+ Module 2

IEEE 802.11a

CH Low

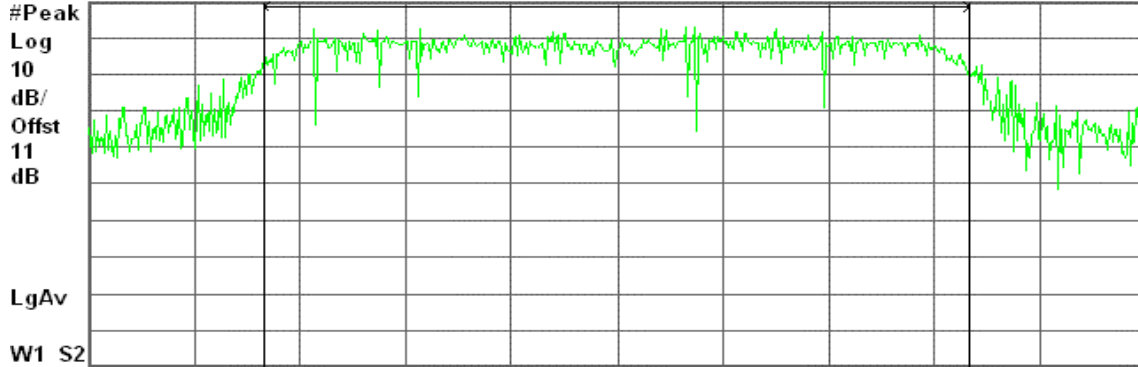
Agilent 23:39:23 Nov 30, 2005

R L

Peak Output Power, a Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 5.745 00 GHz

Span 25.62 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.48 dBm / 17.0800 MHz

-51.84 dBm/Hz

CH Mid

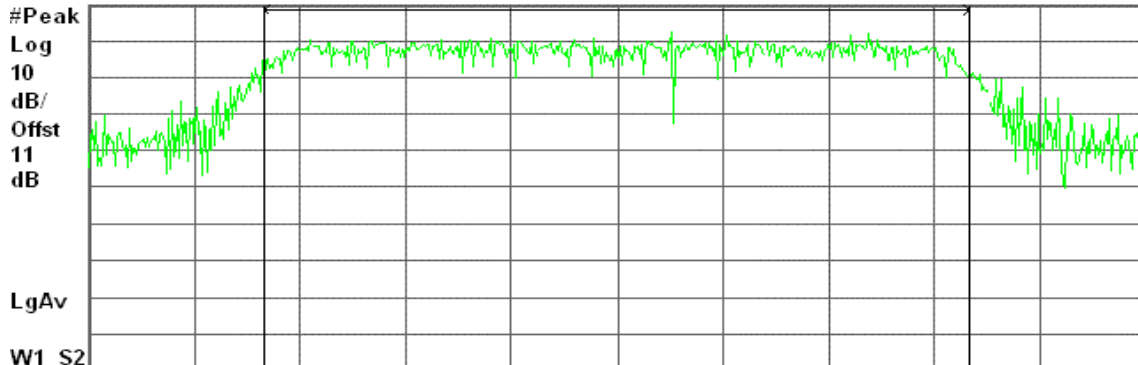
Agilent 23:46:08 Nov 30, 2005

R L

Peak Output Power (DTS), a Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 5.785 00 GHz

Span 25.36 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

19.97 dBm / 16.9060 MHz

-52.31 dBm/Hz



CH High

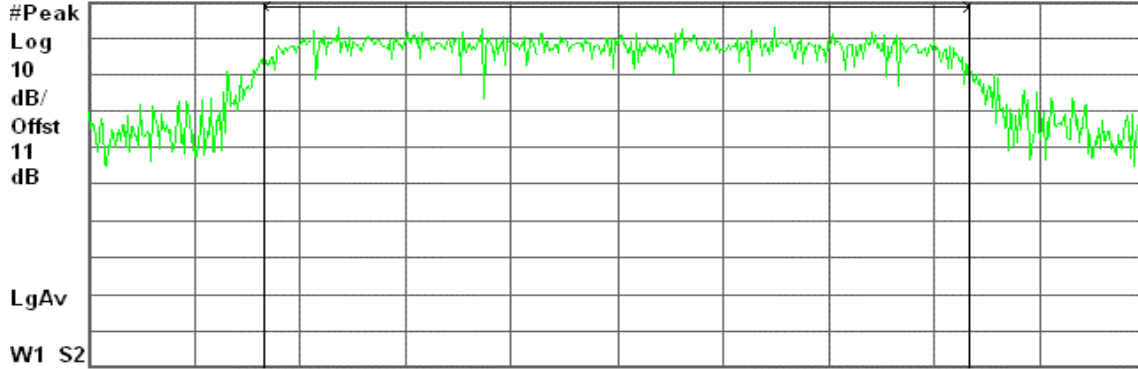
Agilent 23:51:55 Nov 30, 2005

R L

Peak Output Power (DTS), a Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 5.825 00 GHz

Span 25.55 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.42 dBm / 17.0340 MHz

-51.90 dBm/Hz



Mode 10: Antenna 7+ Module 2

IEEE 802.11a

CH Low

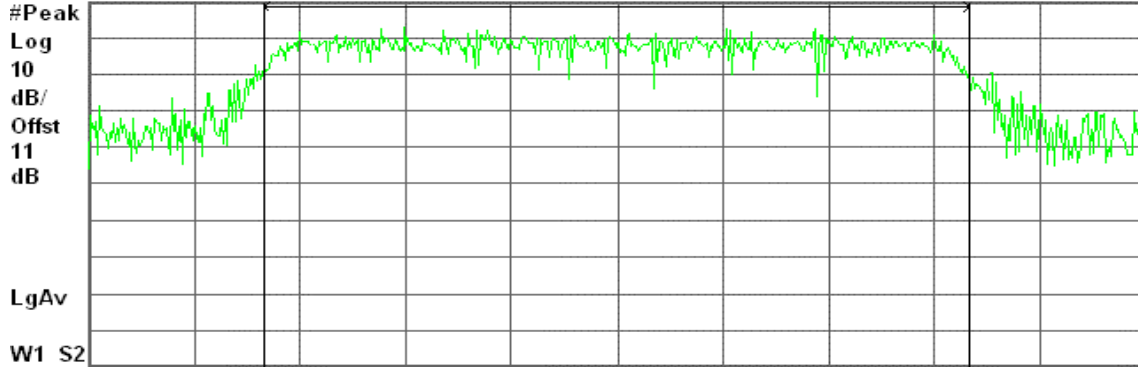
Agilent 00:15:58 Dec 1, 2005

R L

Peak Output Power, a Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 5.745 00 GHz

Span 25.76 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.49 dBm / 17.1720 MHz

-51.86 dBm/Hz

CH Mid

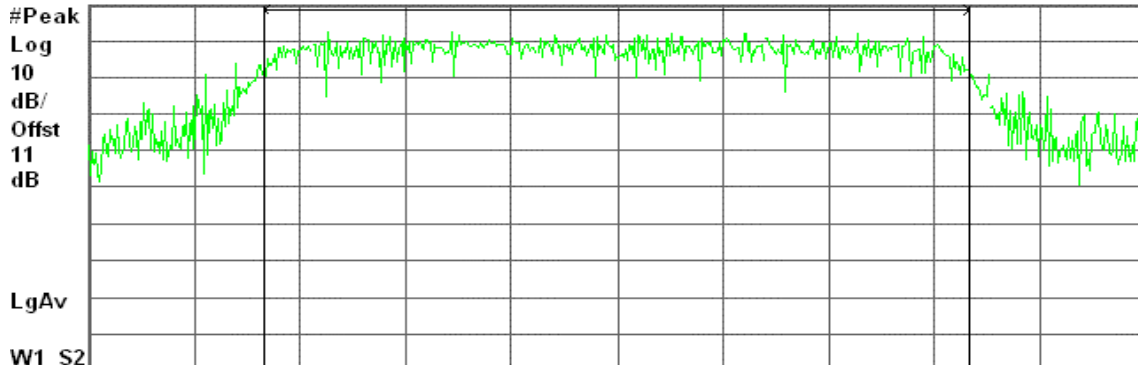
Agilent 00:09:14 Dec 1, 2005

R L

Peak Output Power (DTS), a Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 5.785 00 GHz

Span 25.4 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.45 dBm / 16.9340 MHz

-51.84 dBm/Hz



CH High

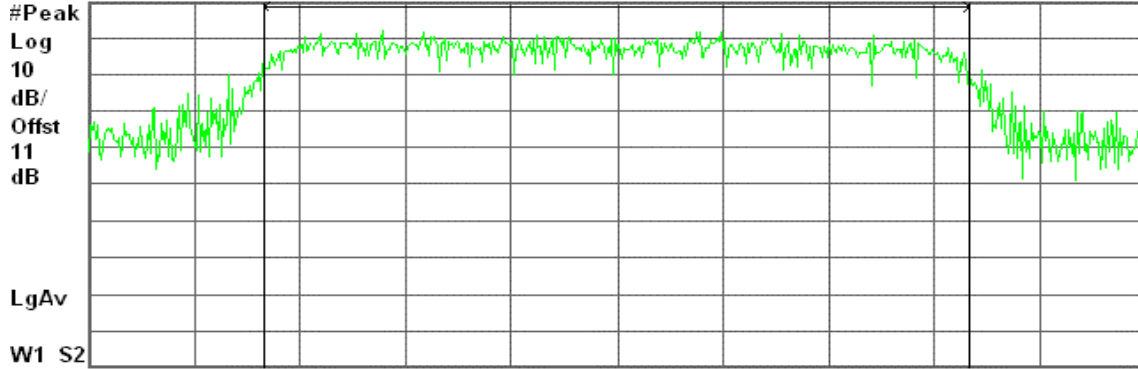
Agilent 00:07:41 Dec 1, 2005

R L

Peak Output Power (DTS), a Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 5.825 00 GHz

Span 25.88 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

19.86 dBm / 17.2500 MHz

-52.51 dBm/Hz



Mode 11: Antenna 9+ Module 1

IEEE 802.11b

CH Low

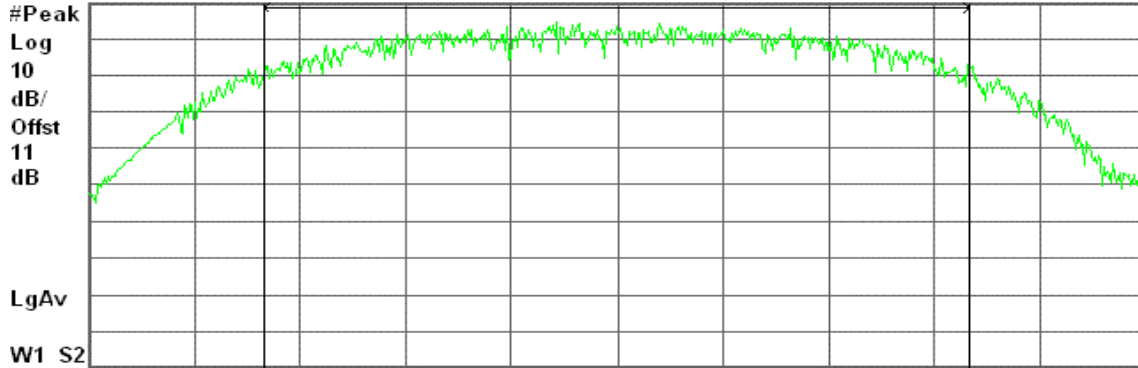
Agilent 15:57:48 Dec 4, 2005

R L

Peak Output Power, b Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 22.71 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

21.17 dBm / 15.1380 MHz

-50.64 dBm/Hz

CH Mid

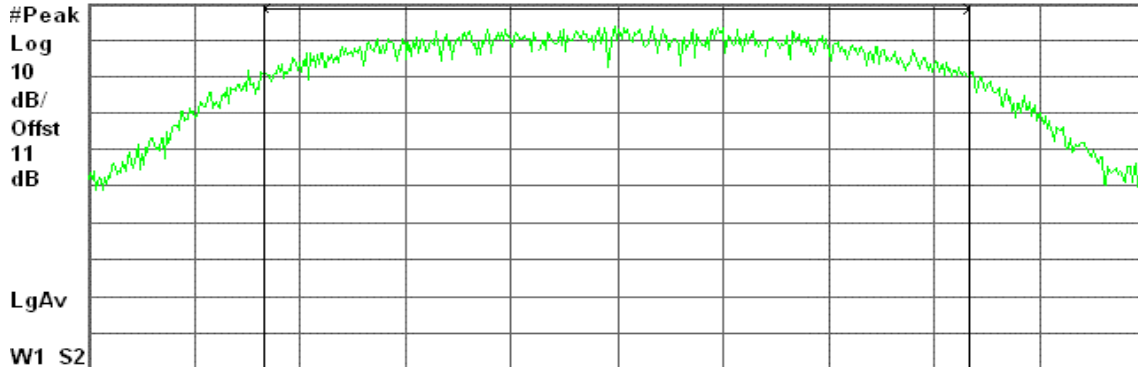
Agilent 16:03:33 Dec 4, 2005

R L

Peak Output Power, b Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 23.13 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.78 dBm / 15.4230 MHz

-51.10 dBm/Hz



CH High

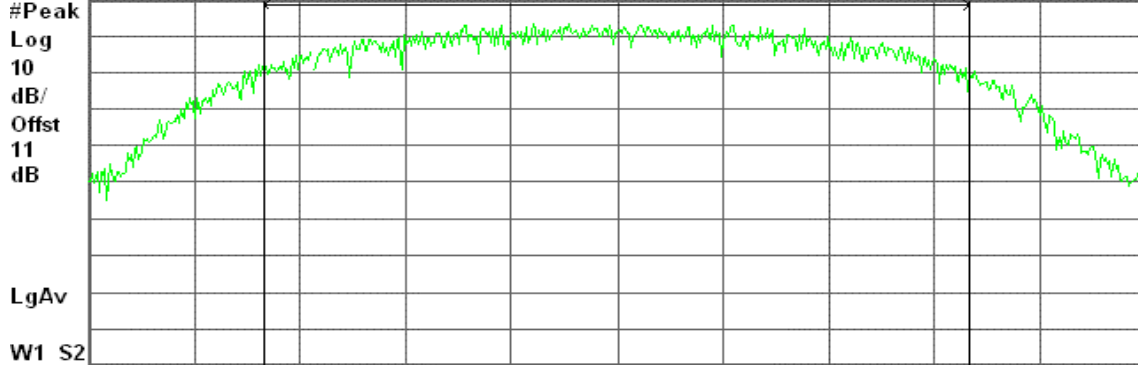
Agilent 16:09:22 Dec 4, 2005

R L

Peak Output Power (DTS), b Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 22.87 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.70 dBm / 15.2450 MHz

-51.13 dBm/Hz

IEEE 802.11g

CH Low

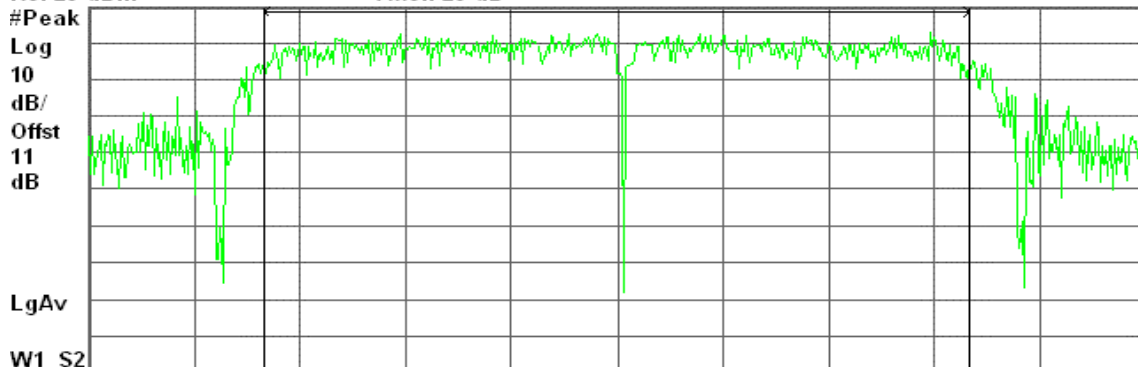
Agilent 16:30:37 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 2.412 00 GHz

Span 24.86 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.89 dBm / 16.5740 MHz

-51.30 dBm/Hz



CH Mid

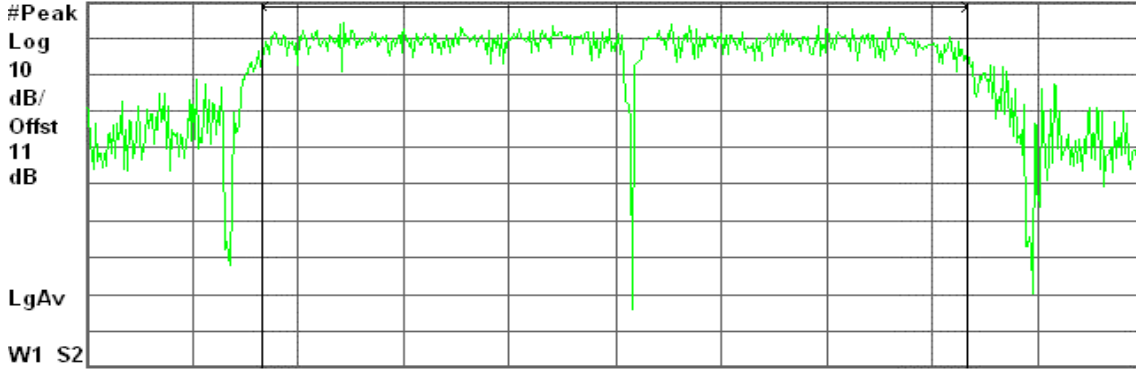
Agilent 16:23:14 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 25 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

21.50 dBm / 16.6660 MHz

-50.72 dBm/Hz

CH High

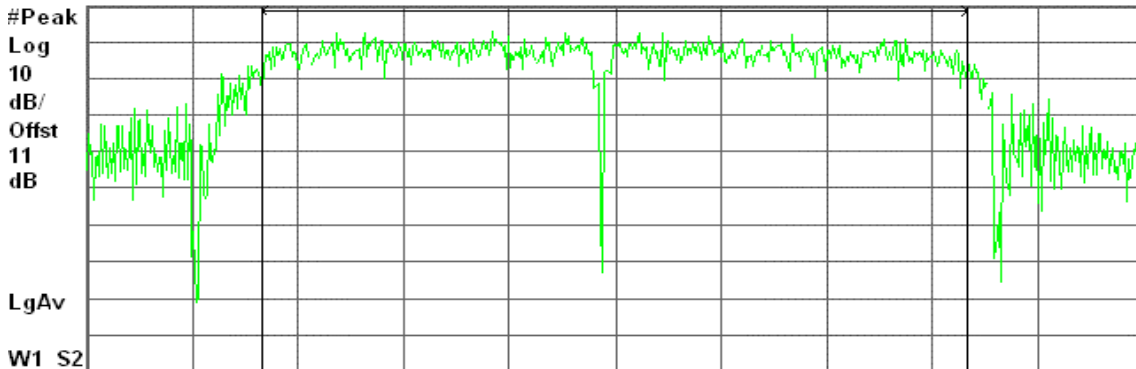
Agilent 16:21:37 Dec 4, 2005

R L

Peak Output Power (DTS), g Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 24.9 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

19.79 dBm / 16.6020 MHz

-52.41 dBm/Hz



Mode 12: Antenna 11+ Module 2

IEEE 802.11a

CH Low

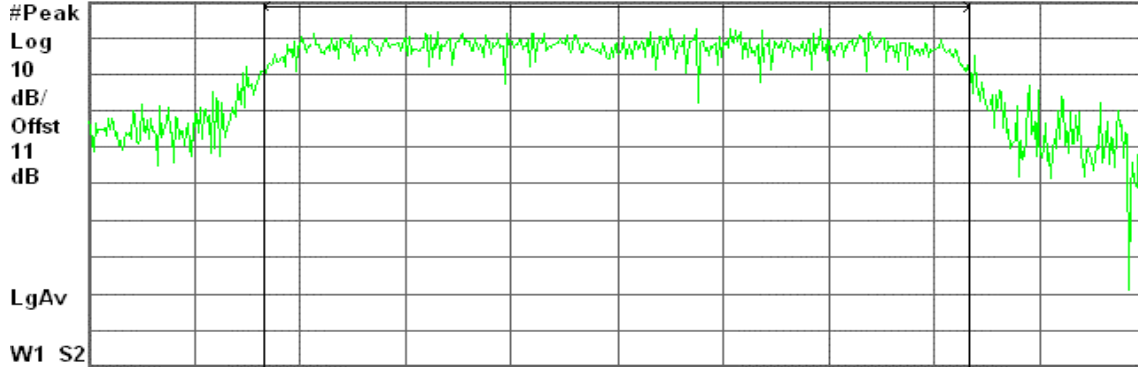
Agilent 16:52:46 Dec 4, 2005

R L

Peak Output Power, a Mode Low Ch.

Ref 20 dBm

Atten 20 dB



Center 5.745 00 GHz

Span 25.73 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.27 dBm / 17.1540 MHz

-52.08 dBm/Hz

CH Mid

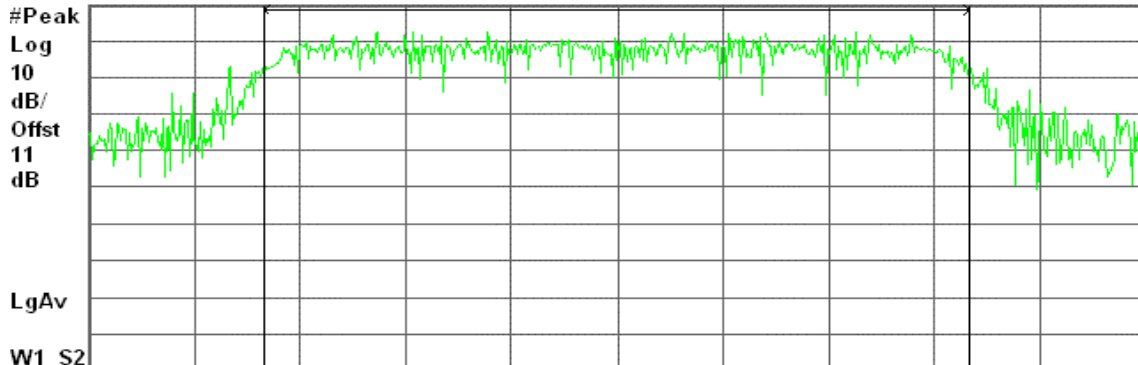
Agilent 17:00:51 Dec 4, 2005

R L

Peak Output Power, a Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 5.785 00 GHz

Span 25.42 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.23 dBm / 16.9460 MHz

-52.07 dBm/Hz



CH High

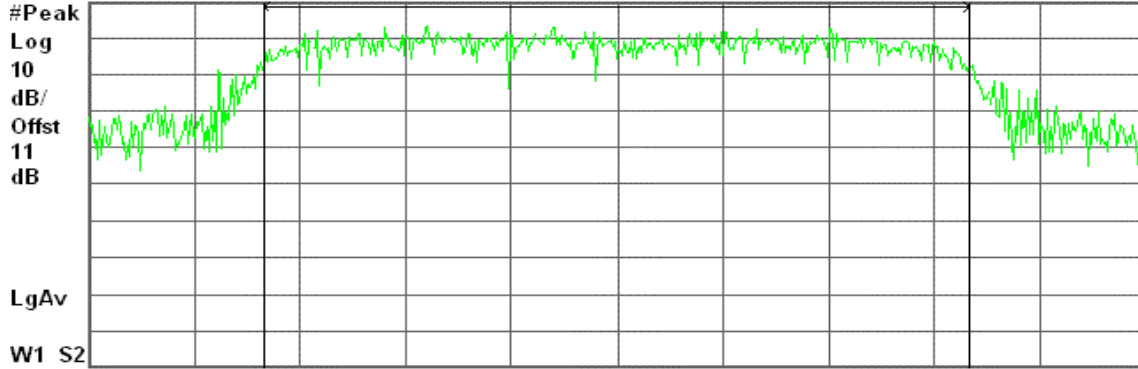
Agilent 17:05:55 Dec 4, 2005

R L

Peak Output Power (DTS), a Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 5.825 00 GHz

Span 25.64 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.87 dBm / 17.0920 MHz

-51.46 dBm/Hz

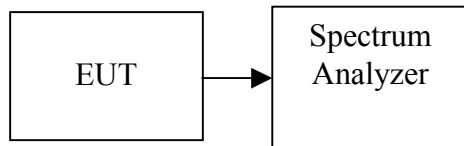


7.3 AVERAGE POWER

LIMIT

None; for reporting purposes only.

Test Configuration



TEST PROCEDURE

The transmitter output is connected to the Spectrum analyzer. The Spectrum analyzer is set to the average power detection.



TEST RESULTS

No non-compliance noted.

Test Data

Mode 1: Antenna 2+ Module 1

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)
Low	2412	21.79	0.15101
Mid	2437	21.51	0.14158
High	2462	22.05	0.16032

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)
Low	2412	18.55	0.07161
Mid	2437	19.62	0.09162
High	2462	17.93	0.06209

Mode 2: Antenna 2+ Module 2

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)
Low	2412	21.59	0.14421
Mid	2437	21.36	0.13677
High	2462	21.34	0.13614

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)
Low	2412	17.93	0.06209
Mid	2437	18.64	0.07311
High	2462	16.03	0.04009



Mode 3: Antenna 3+ Module 1

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)
Low	2412	20.40	0.10965
Mid	2437	20.38	0.10914
High	2462	20.28	0.10666

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)
Low	2412	15.77	0.03776
Mid	2437	16.61	0.04581
High	2462	13.74	0.02366

Mode 4: Antenna 3+ Module 2

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)
Low	2412	19.85	0.09661
Mid	2437	19.16	0.08241
High	2462	18.88	0.07727

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)
Low	2412	15.87	0.03864
Mid	2437	15.35	0.03428
High	2462	13.18	0.02080